

Data File : VL033388.D
Acq On : 19 Mar 2019 12:53
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Mar 20 01:33:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	792418	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1856250	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2200226	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1536958	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1639626	11.766	ppbv	98
3) Chlorodifluoromethane	3.01	51	966132	10.622	ppbv	99
4) Chloromethane	3.17	50	523217	10.624	ppbv	96
5) Vinyl Chloride	3.29	62	518449	10.204	ppbv	98
6) Bromomethane	3.52	94	332504	11.010	ppbv	98
7) Chloroethane	3.60	64	194278	10.943	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1286968	10.848	ppbv	99
9) Propene	3.04	41	423126	10.422	ppbv	99
10) Heptane	8.25	43	1097365	10.897	ppbv	100
11) Trichlorofluoromethane	4.00	101	1437262	10.358	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	974022	10.580	ppbv	98
13) Ethanol	3.65	45	101111	5.224	ppbv	100
14) Bromoethene	3.79	108	418744	10.912	ppbv	99
15) Acetone	3.90	43	940934	7.639	ppbv	99
16) 1,3-Butadiene	3.36	39	427720	10.691	ppbv	99
17) tert-Butyl alcohol	4.36	59	168589	9.725	ppbv	99
18) 1,1-Dichloroethene	4.35	96	433782	10.304	ppbv	97
19) Isopropyl Alcohol	4.02	45	602127	10.276	ppbv	99
20) Methylene Chloride	4.41	84	366108	9.113	ppbv	97
21) Allyl Chloride	4.48	41	664026	11.113	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	443059	10.860	ppbv	98
23) Vinyl Acetate	5.16	43	1516923	10.643	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1067074	10.366	ppbv	99
25) Ethyl Acetate	5.77	43	1858462	10.379	ppbv	100
26) Hexane	5.78	57	825900	10.317	ppbv	99
27) Carbon Disulfide	4.62	76	1044861	11.338	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1250533	10.517	ppbv	99
29) Chloroform	5.85	83	1382707	10.549	ppbv	99
30) Cyclohexane	7.25	84	699588	10.900	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	859073	10.733	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	1327491	10.315	ppbv	99
34) 2-Butanone	5.33	43	1226989	10.065	ppbv	99
35) Carbon Tetrachloride	7.14	117	1431002	10.935	ppbv	98
36) Benzene	7.01	78	1742443	10.489	ppbv	100
37) 1,2-Dichloroethane	6.42	62	1061788	10.108	ppbv	100
38) Trichloroethene	7.96	130	664171	10.565	ppbv	98
39) 1,2-Dichloropropane	7.73	63	655783	10.541	ppbv	98
40) 1,4-Dioxane	7.95	88	241193	11.010	ppbv	86
41) Tetrahydrofuran	6.15	42	696075	10.700	ppbv	99
42) Bromodichloromethane	7.92	83	1522605	10.811	ppbv	98
43) Methyl Methacrylate	8.14	69	712165	11.010	ppbv	98

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Quant Time: Mar 20 01:33:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2902316	10.548	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	944471	11.827	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1080955	11.495	ppbv	96
47) 1,1,2-Trichloroethane	9.61	97	723739	10.529	ppbv	95
48) Dibromochloromethane	10.45	129	1272330	11.037	ppbv	100
49) Bromoform	13.20	173	1292784	11.822	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1813758	10.533	ppbv	99
51) 2-Hexanone	10.27	43	1414236	10.645	ppbv #	100
52) Tetrachloroethene	11.37	164	742883	10.734	ppbv	99
53) Toluene	9.95	91	2048382	10.852	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1158712	9.972	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	1020521	10.369	ppbv	97
57) Chlorobenzene	12.30	112	1741470	9.994	ppbv	100
58) Ethyl Benzene	12.86	91	3237377	10.401	ppbv	99
59) m/p-Xylene	13.12	91	2689201	10.054	ppbv #	100
60) o-Xylene	13.85	91	2659657	10.192	ppbv	99
61) Styrene	13.69	104	1983838	10.858	ppbv	99
62) Isopropylbenzene	14.83	105	3716855	10.245	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1829927	9.701	ppbv	99
64) n-propylbenzene	15.72	120	957593	10.431	ppbv	98
65) tert-Butylbenzene	16.91	119	3297664	10.096	ppbv	100
66) Benzyl Chloride	17.16	91	1717243	12.723	ppbv	100
67) sec-Butylbenzene	17.46	105	4718922	10.196	ppbv	100
69) p-Isopropyltoluene	17.81	119	3912160	10.346	ppbv	100
70) n-Butylbenzene	18.72	91	4134208	10.254	ppbv	100
71) 2-Chlorotoluene	15.62	91	2883877	10.212	ppbv	99
72) 4-Ethyltoluene	16.00	105	3118362	10.523	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2975533	10.307	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3048656	9.971	ppbv	93
75) 1,3-Dichlorobenzene	17.17	146	1775233	9.851	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1771171	10.151	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1728055	10.125	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	962122	9.402	ppbv	99
79) Naphthalene	22.41	128	2975827	10.100	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1378483	9.867	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1503624	10.008	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VSTDCCC010EC

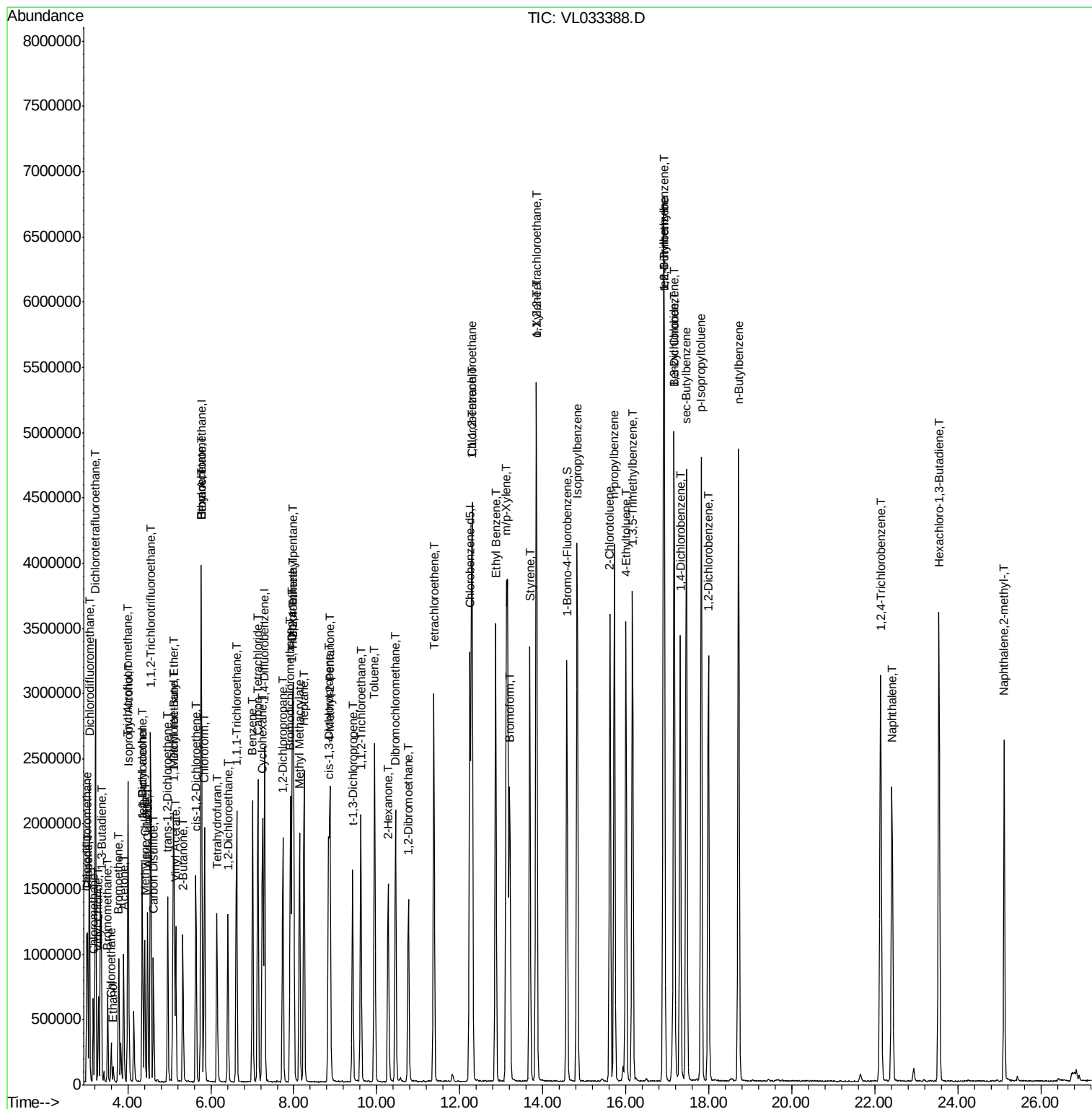
Quant Time: Mar 20 01:33:22 2019

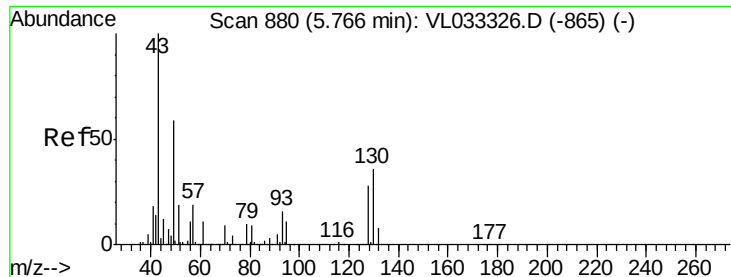
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL031519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

QLast Update : Fri Mar 15 14:52:14 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

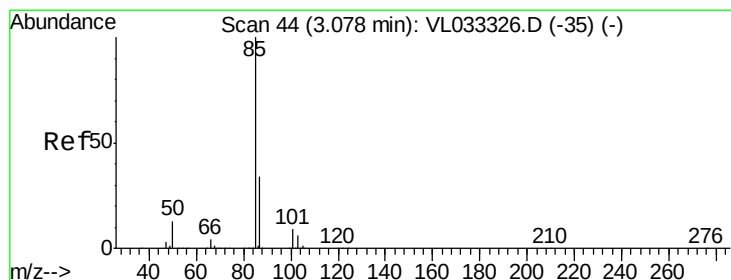
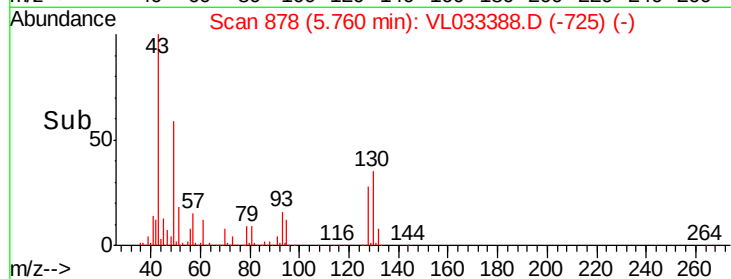
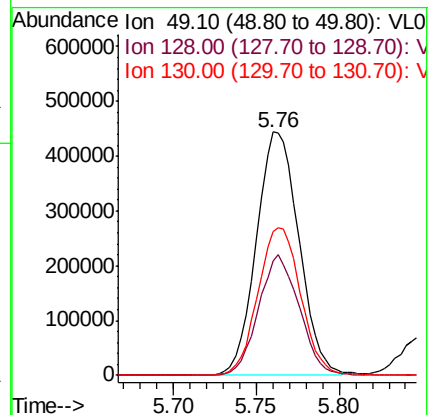
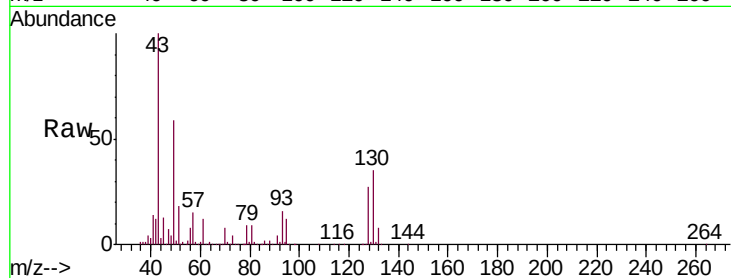
Tgt Ion: 49 Resp: 792418

Ion Ratio Lower Upper

49 100

128 47.5 23.5 70.6

130 61.2 30.1 90.3



#2

Dichlorodifluoromethane

Concen: 11.766 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033388.D

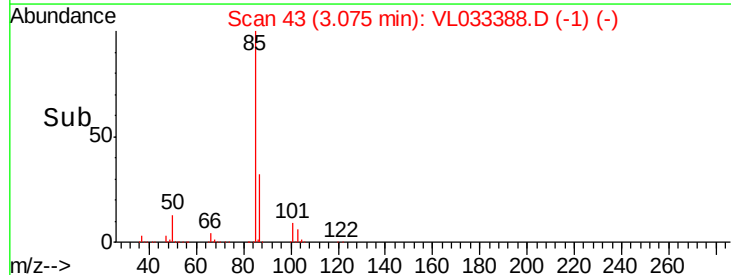
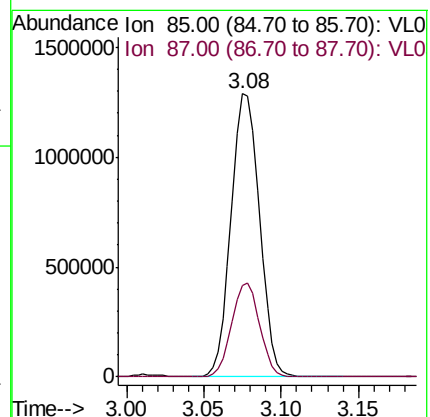
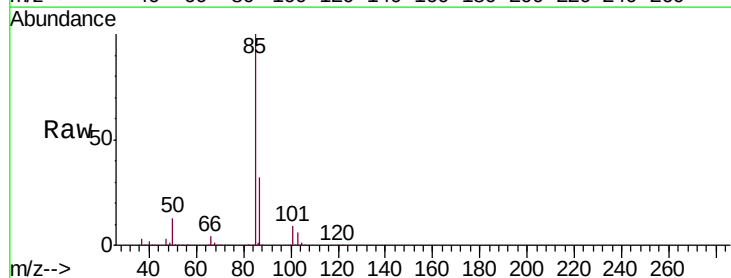
Acq: 19 Mar 2019 12:53

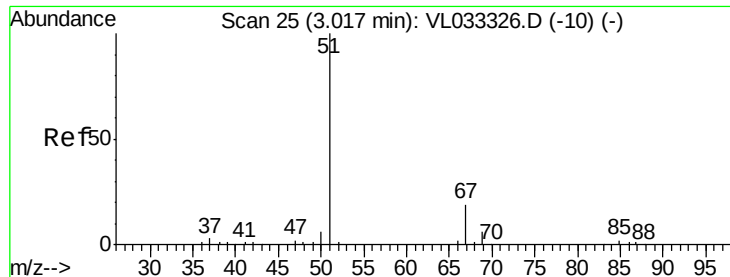
Tgt Ion: 85 Resp: 1639626

Ion Ratio Lower Upper

85 100

87 32.4 26.9 40.3





#3

Chlorodifluoromethane

Concen: 10.622 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

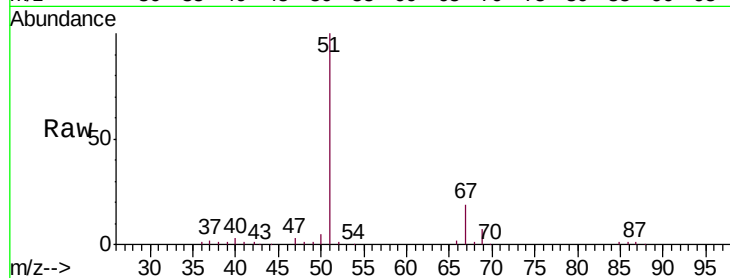
VSTDCCC010EC

Tgt Ion: 51 Resp: 966132

Ion Ratio Lower Upper

51 100

67 18.9 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.01

800000

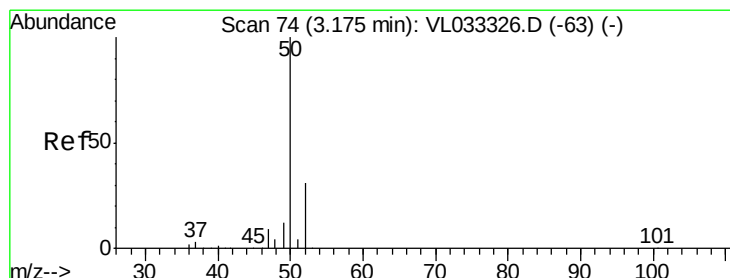
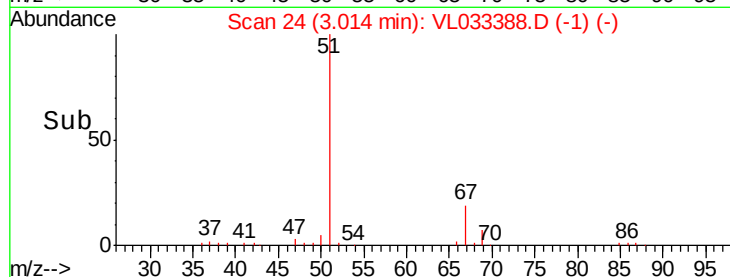
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.624 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033388.D

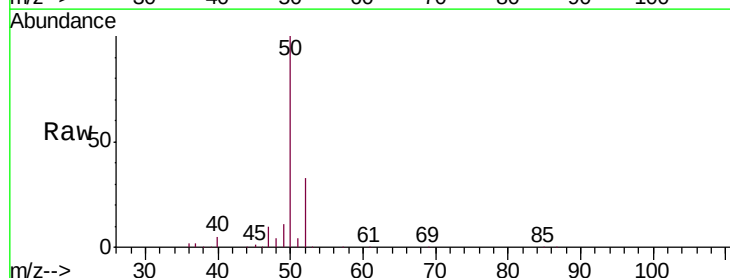
Acq: 19 Mar 2019 12:53

Tgt Ion: 50 Resp: 523217

Ion Ratio Lower Upper

50 100

52 33.3 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.17

400000

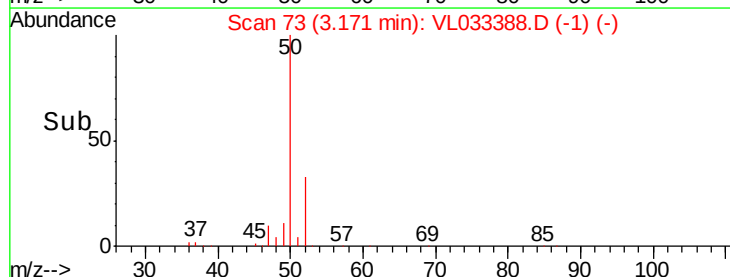
300000

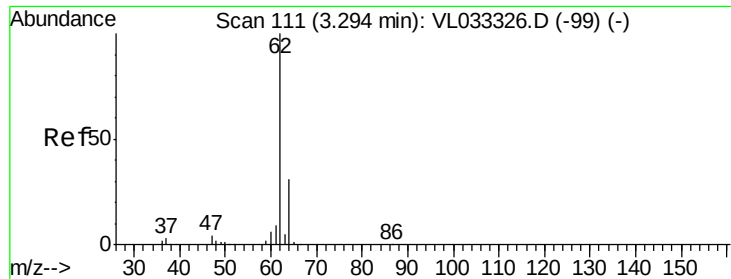
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.204 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

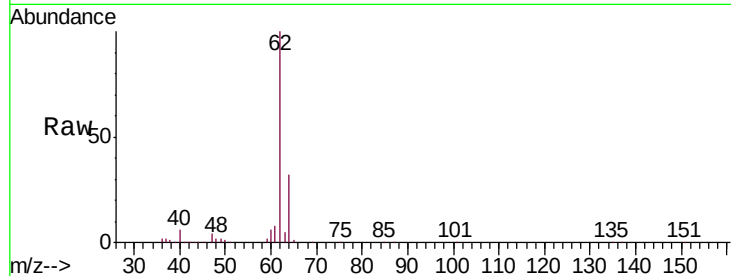
VSTDCCC010EC

Tgt Ion: 62 Resp: 518449

Ion Ratio Lower Upper

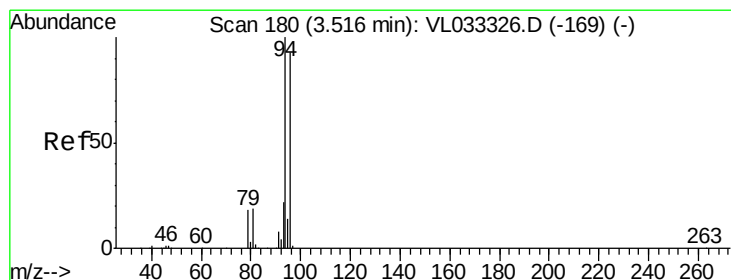
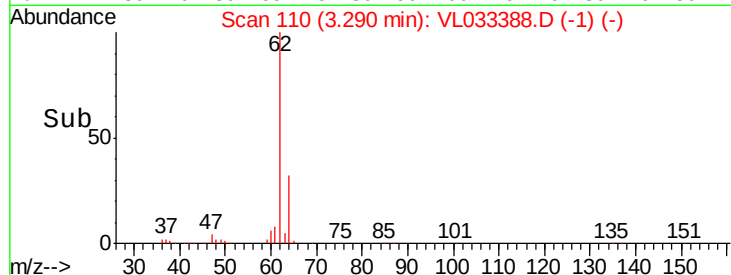
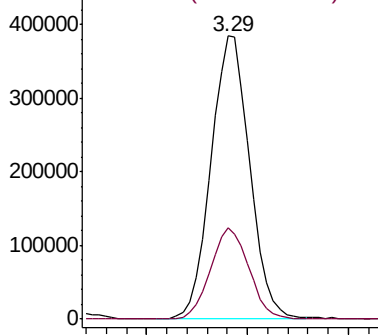
62 100

64 32.5 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.010 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033388.D

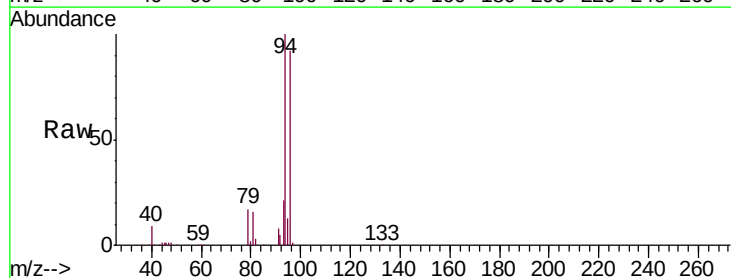
Acq: 19 Mar 2019 12:53

Tgt Ion: 94 Resp: 332504

Ion Ratio Lower Upper

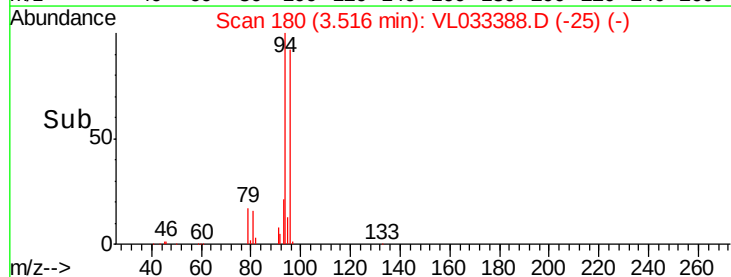
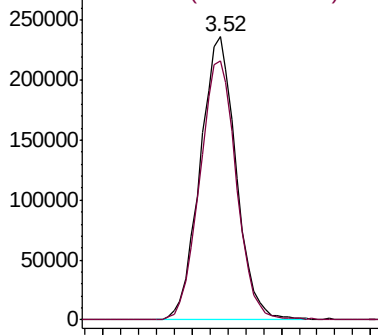
94 100

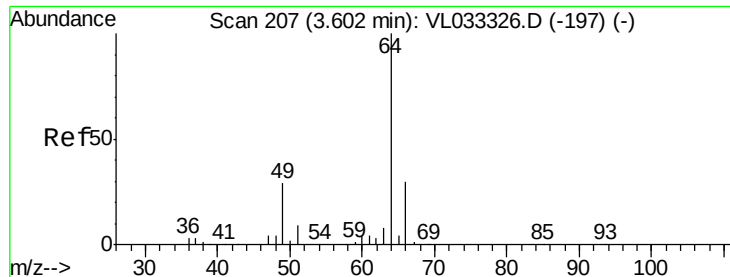
96 91.5 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.943 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

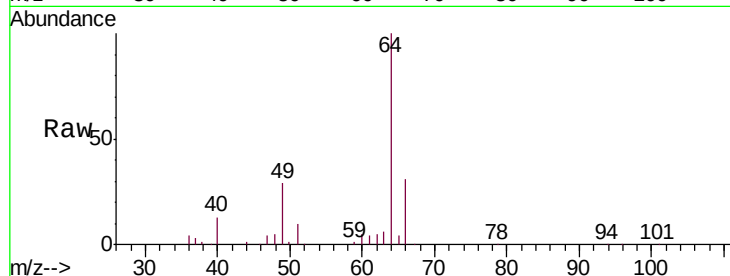
VSTDCCC010EC

Tgt Ion: 64 Resp: 194278

Ion Ratio Lower Upper

64 100

66 31.3 24.0 36.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

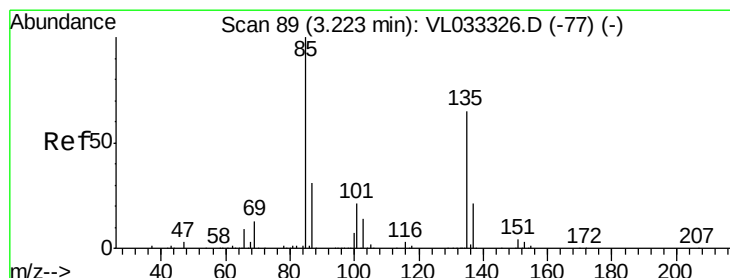
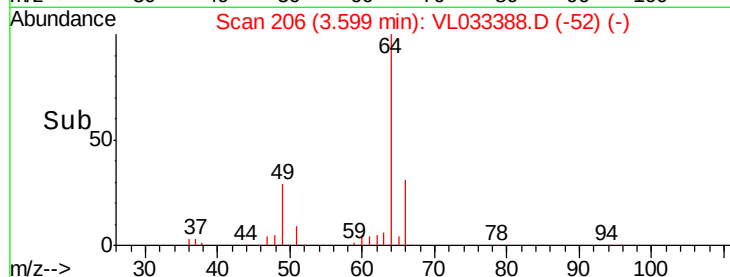
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.848 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033388.D

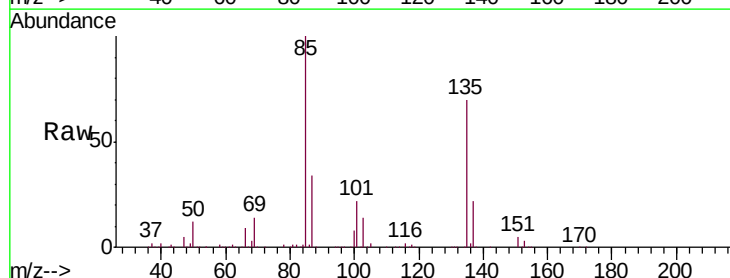
Acq: 19 Mar 2019 12:53

Tgt Ion: 85 Resp: 1286968

Ion Ratio Lower Upper

85 100

135 67.6 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

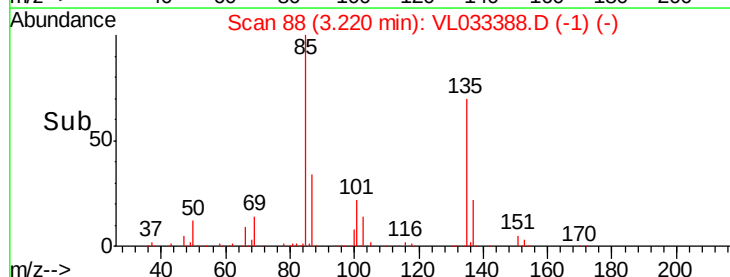
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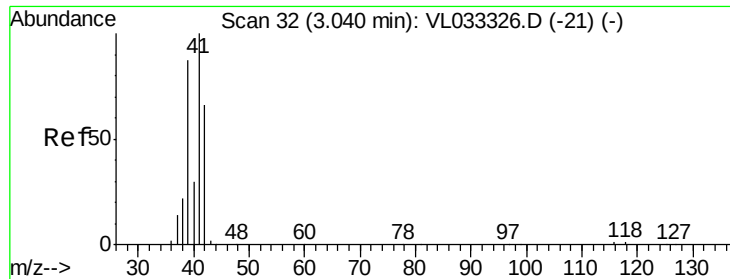
400000

200000

0

Time-->





#9

Propene

Concen: 10.422 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

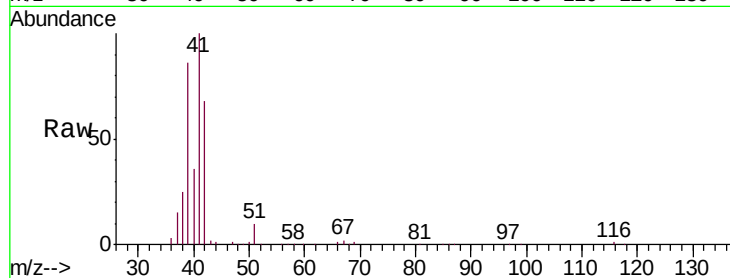
VSTDCCC010EC

Tgt Ion: 41 Resp: 423126

Ion Ratio Lower Upper

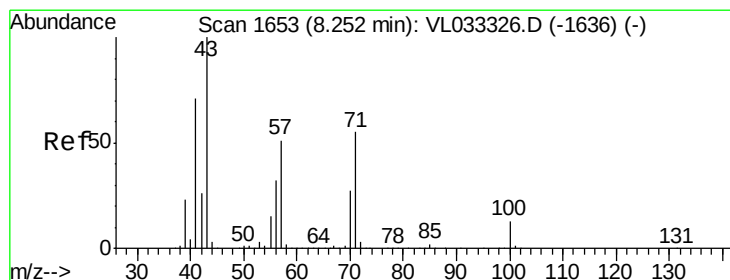
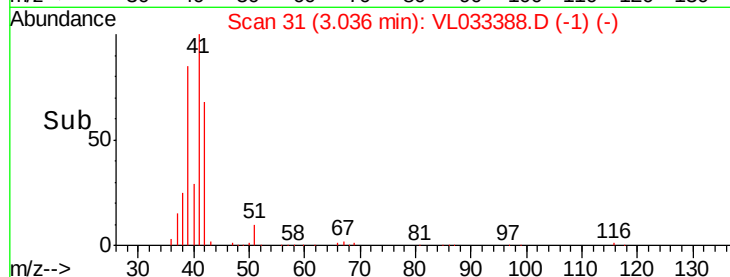
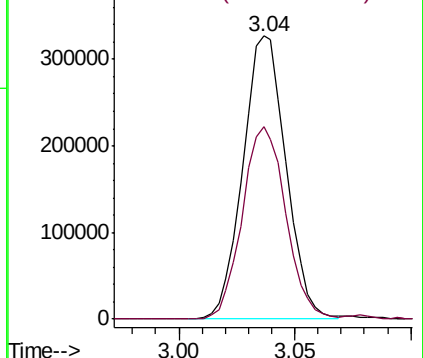
41 100

42 69.5 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.897 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033388.D

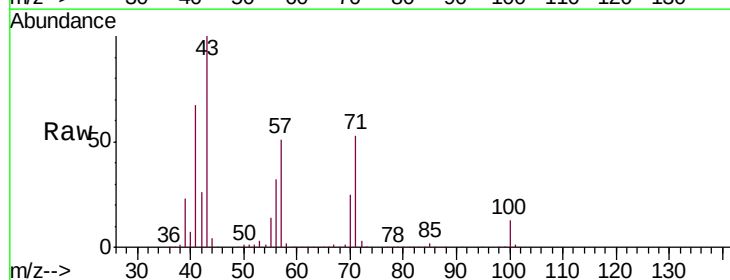
Acq: 19 Mar 2019 12:53

Tgt Ion: 43 Resp: 1097365

Ion Ratio Lower Upper

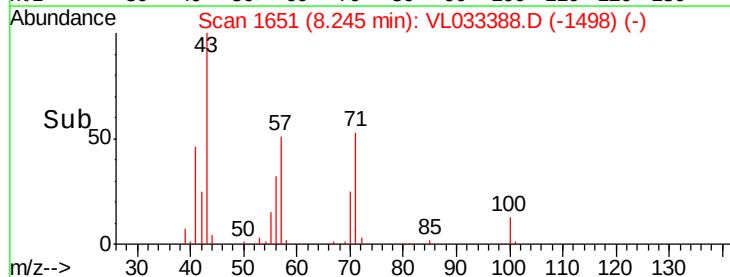
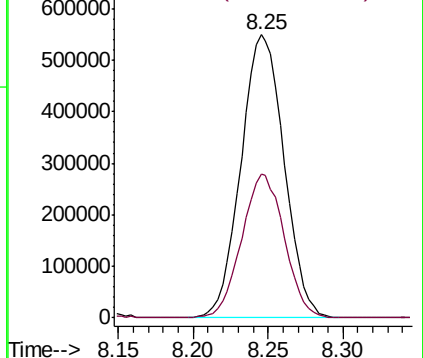
43 100

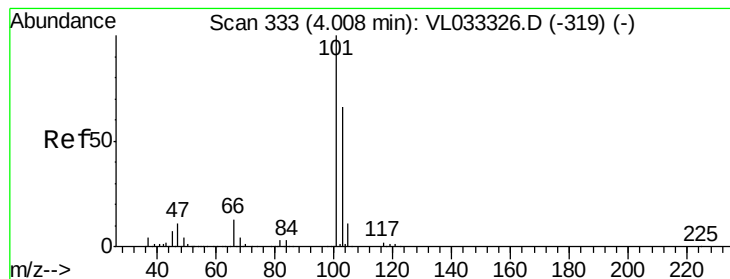
57 50.6 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.358 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

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ClientSampleId :

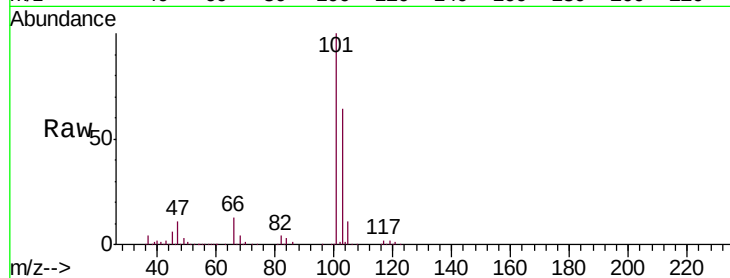
VSTDCCC010EC

Tgt Ion:101 Resp: 1437262

Ion Ratio Lower Upper

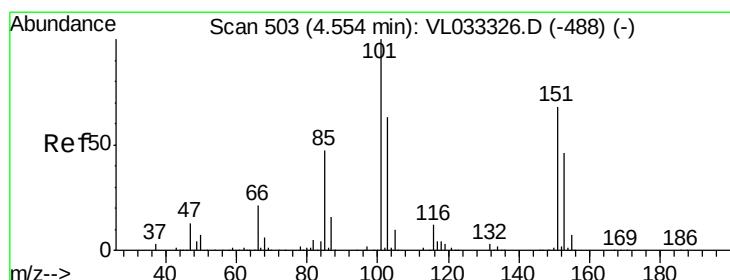
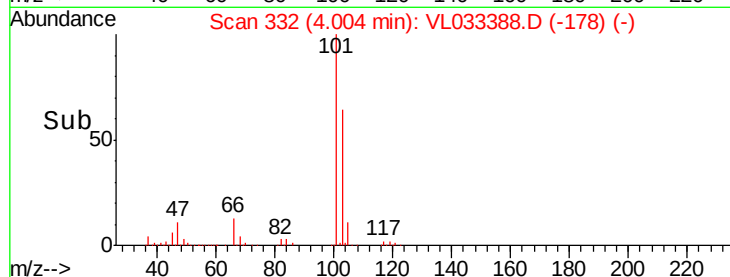
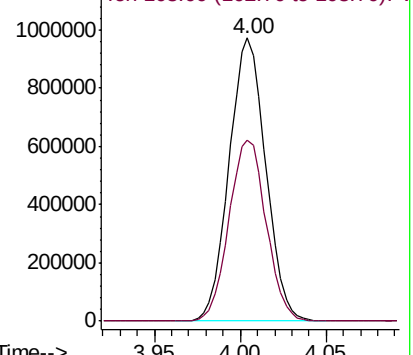
101 100

103 63.8 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.580 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL033388.D

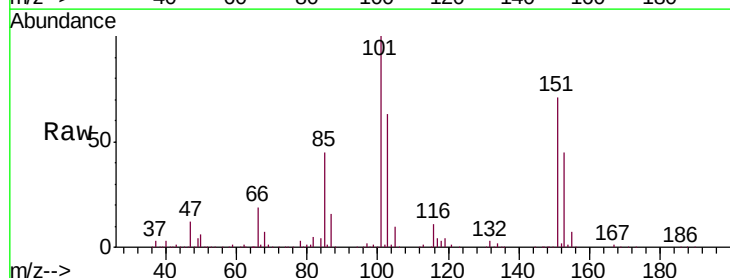
Acq: 19 Mar 2019 12:53

Tgt Ion:101 Resp: 974022

Ion Ratio Lower Upper

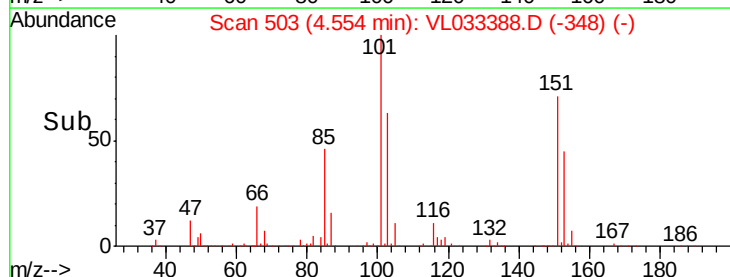
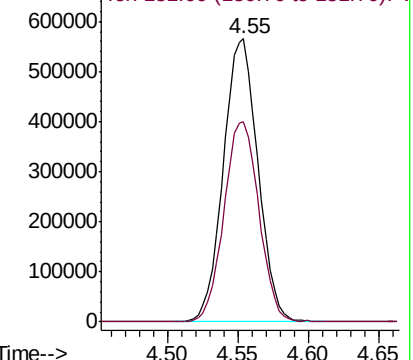
101 100

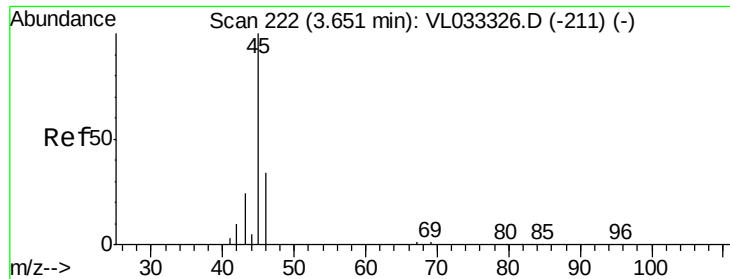
151 71.6 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 5.224 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

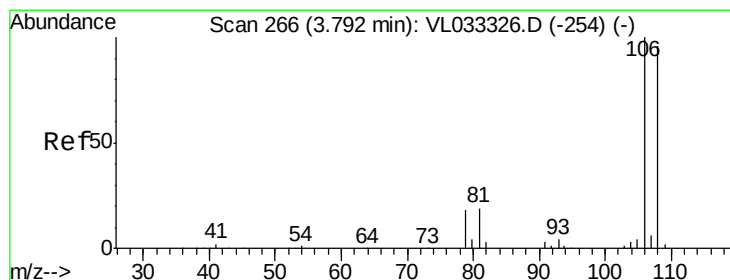
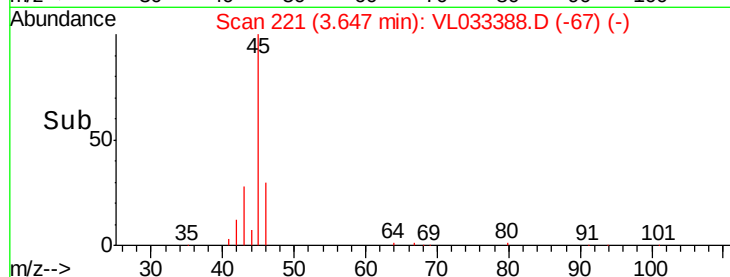
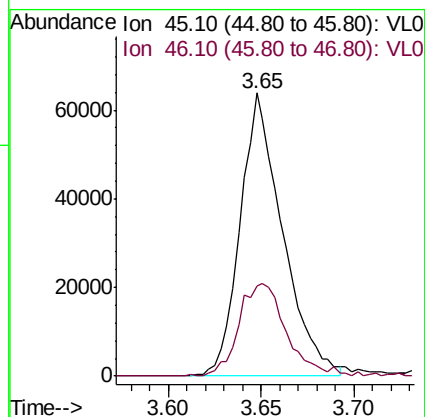
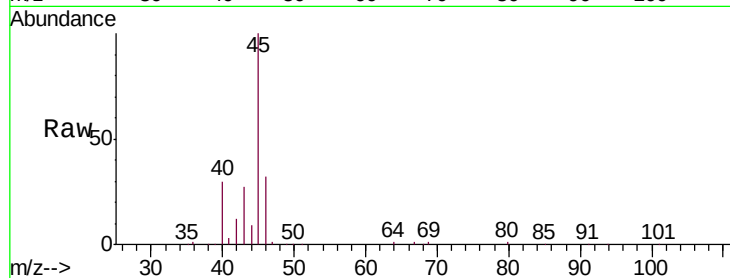
VSTDCCC010EC

Tgt Ion: 45 Resp: 101111

Ion Ratio Lower Upper

45 100

46 37.1 14.9 59.7



#14

Bromoethene

Concen: 10.912 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

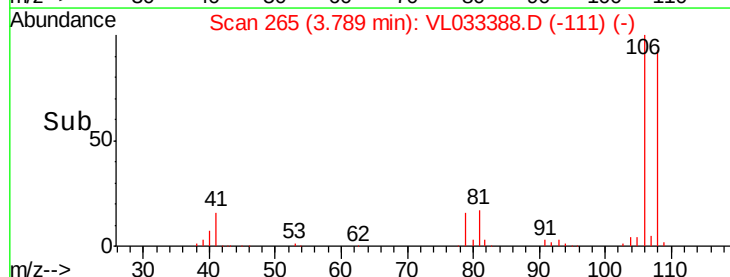
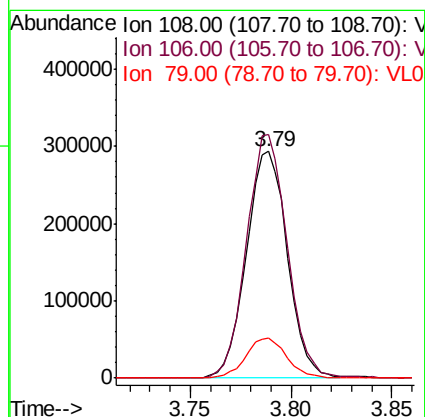
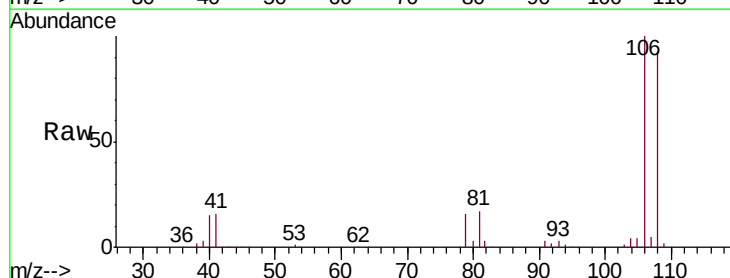
Tgt Ion: 108 Resp: 418744

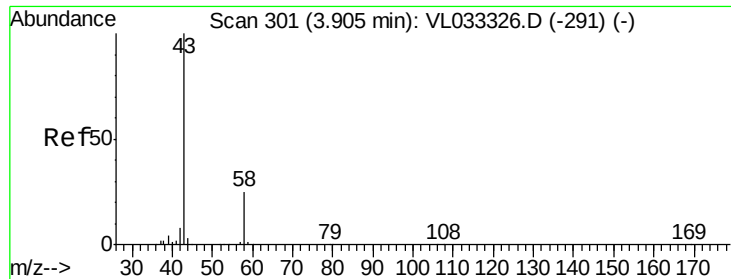
Ion Ratio Lower Upper

108 100

106 107.2 86.2 129.2

79 17.7 15.4 23.2





#15

Acetone

Concen: 7.639 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

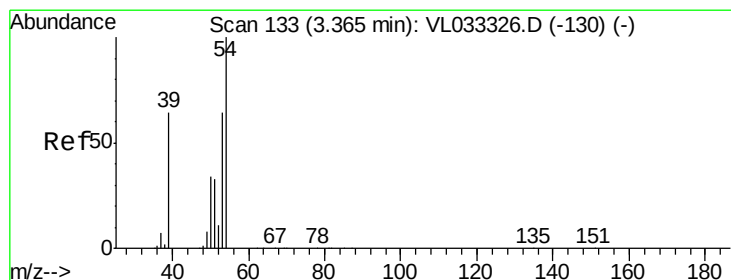
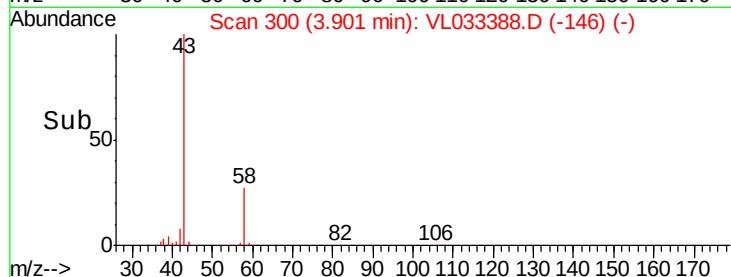
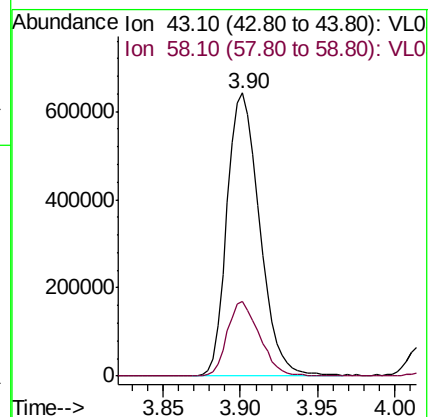
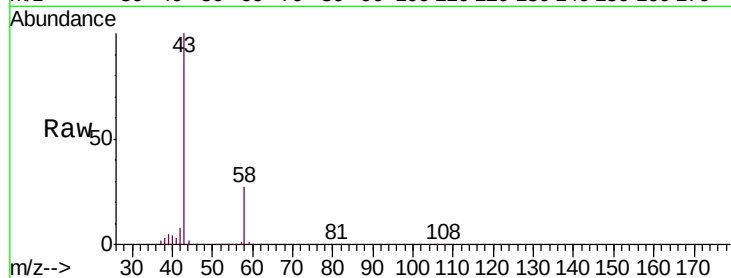
VSTDCCC010EC

Tgt Ion: 43 Resp: 940934

Ion Ratio Lower Upper

43 100

58 26.1 20.4 30.6



#16

1,3-Butadiene

Concen: 10.691 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033388.D

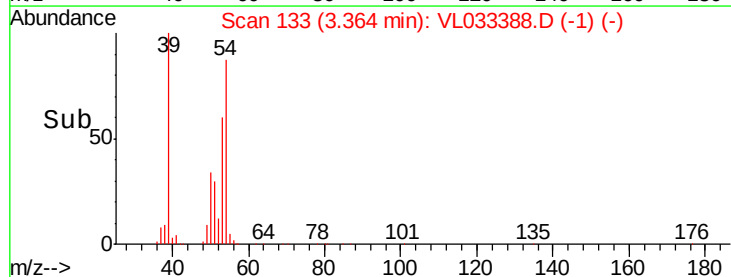
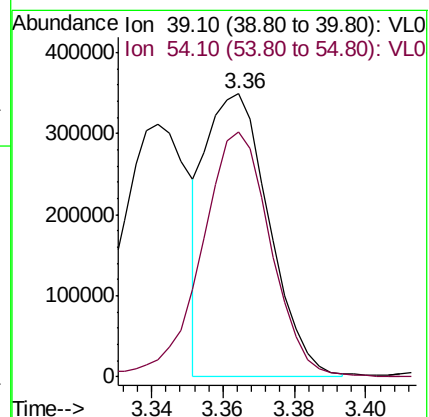
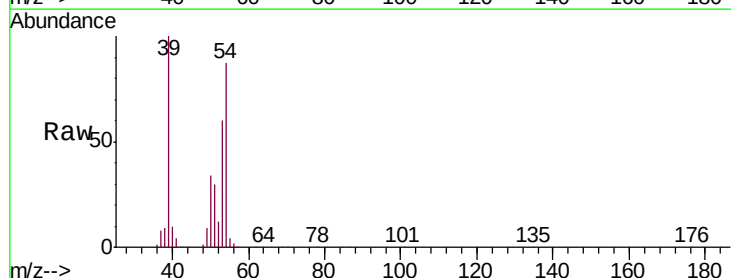
Acq: 19 Mar 2019 12:53

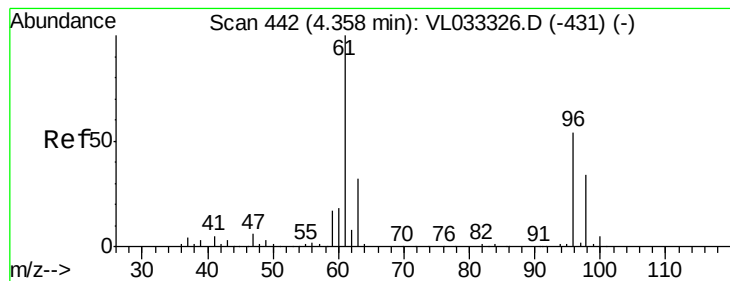
Tgt Ion: 39 Resp: 427720

Ion Ratio Lower Upper

39 100

54 95.5 76.8 115.2





#17

tert-Butyl alcohol

Concen: 9.725 ppbv

RT: 4.36 min Scan# 442

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

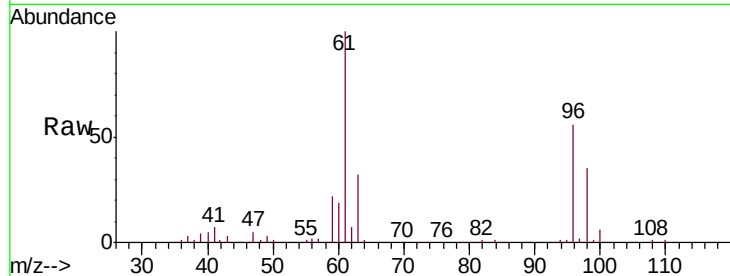
VSTDCCC010EC

Tgt Ion: 59 Resp: 168589

Ion Ratio Lower Upper

59 100

57 9.4 7.7 11.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

100000

80000

60000

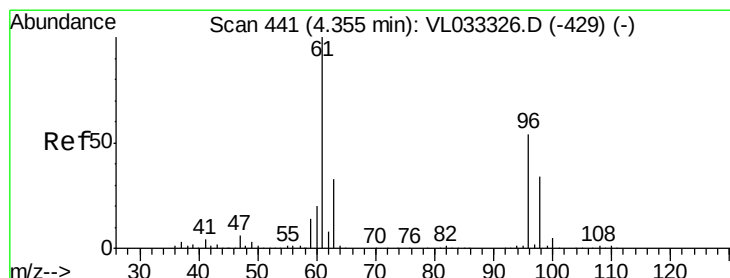
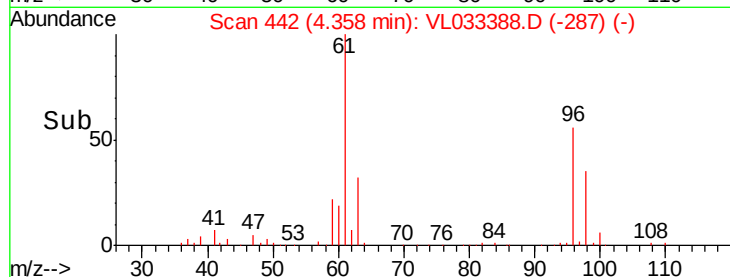
40000

20000

0

Time-->

4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 10.304 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

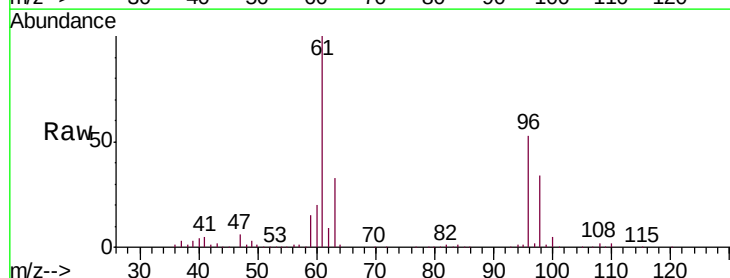
Tgt Ion: 96 Resp: 433782

Ion Ratio Lower Upper

96 100

61 190.2 148.6 222.8

98 65.1 50.3 75.5



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

600000

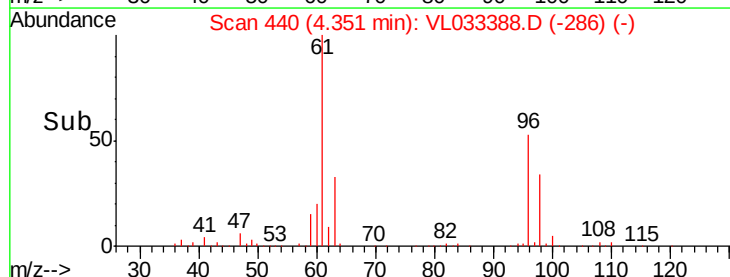
400000

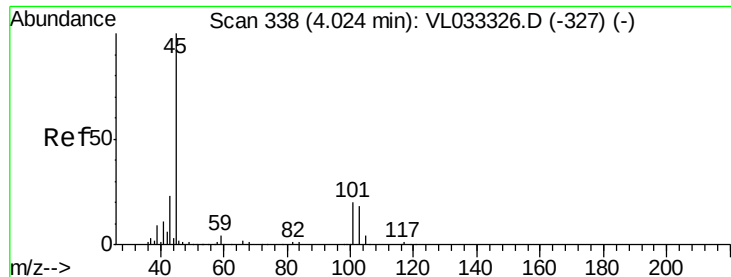
200000

0

Time-->

4.30 4.35 4.40



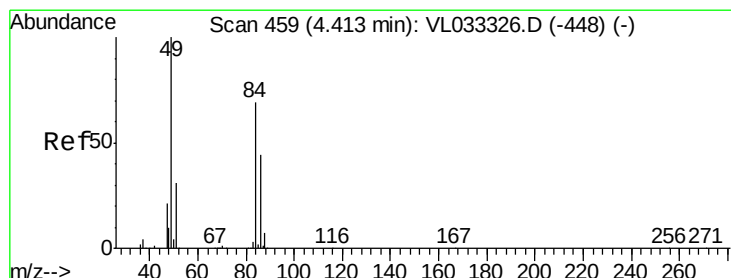
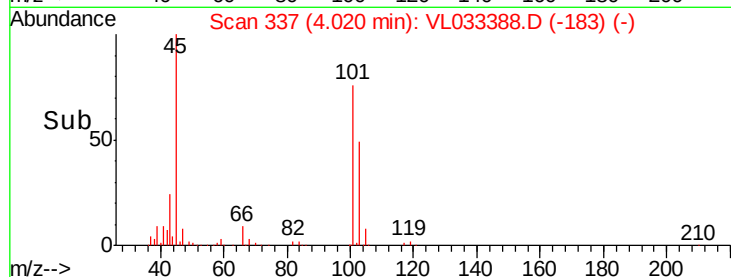
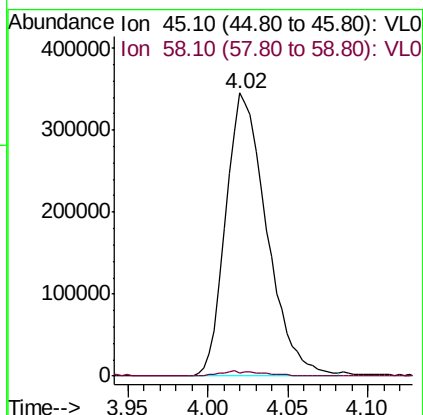
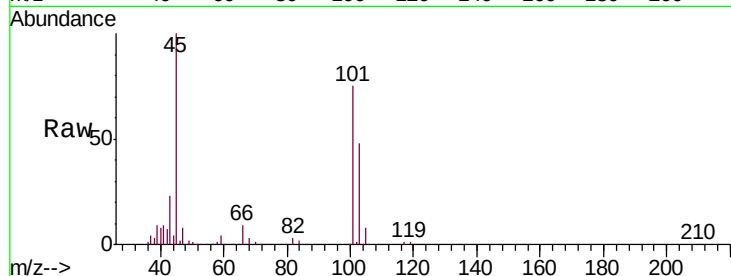


#19

Isopropyl Alcohol
 Concen: 10.276 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

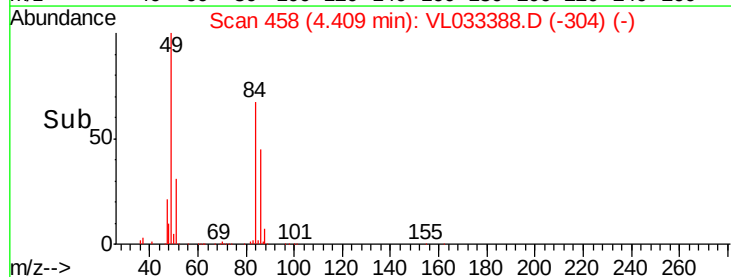
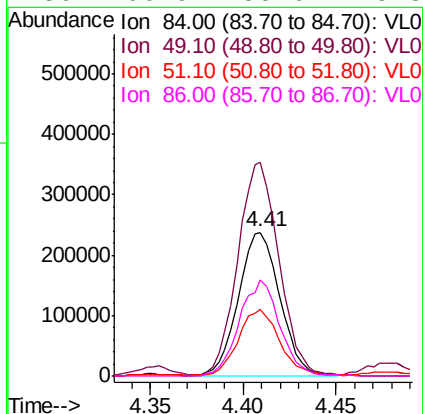
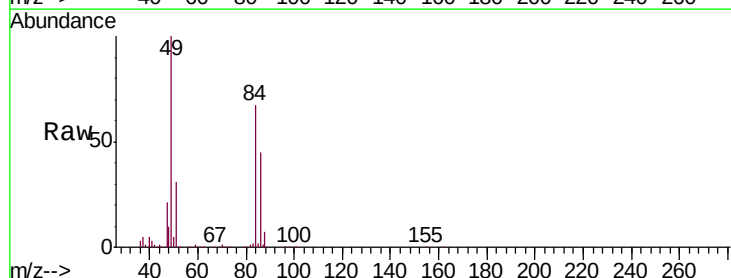
Tgt Ion: 45 Resp: 602127
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.5 2.3

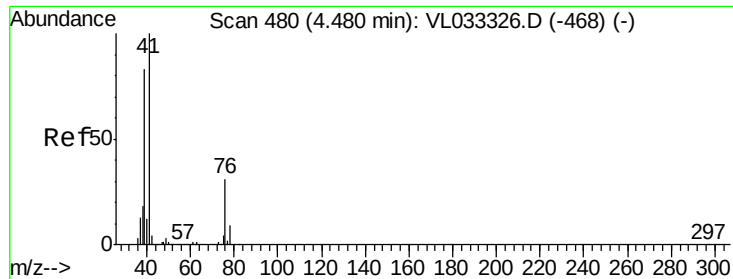


#20

Methylene Chloride
 Concen: 9.113 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Tgt Ion: 84 Resp: 366108
 Ion Ratio Lower Upper
 84 100
 49 148.1 115.4 173.0
 51 46.3 35.8 53.6
 86 66.9 50.6 75.8





#21

Allyl Chloride

Concen: 11.113 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

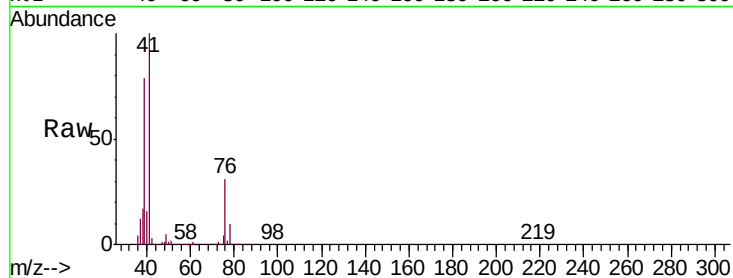
Tgt Ion: 41 Resp: 664026

Ion Ratio Lower Upper

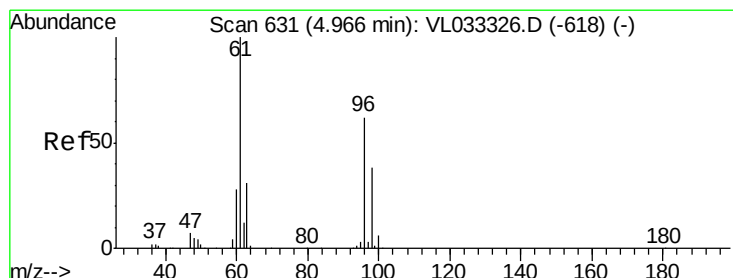
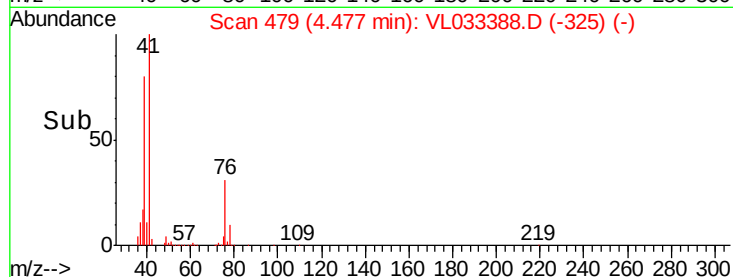
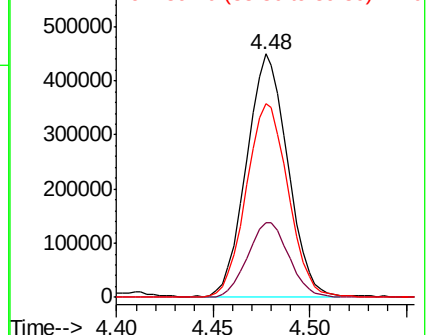
41 100

76 30.9 25.0 37.4

39 81.4 65.9 98.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.860 ppbv

RT: 4.96 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

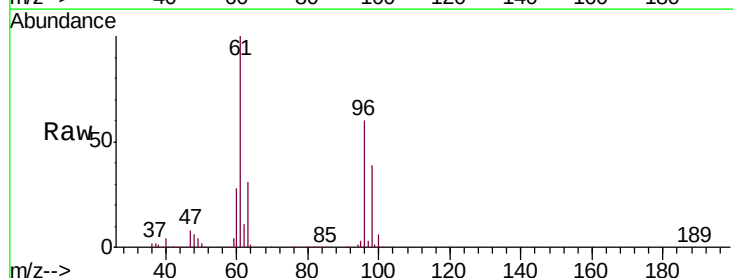
Tgt Ion: 96 Resp: 443059

Ion Ratio Lower Upper

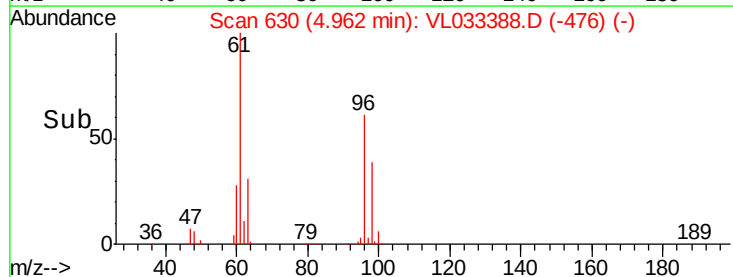
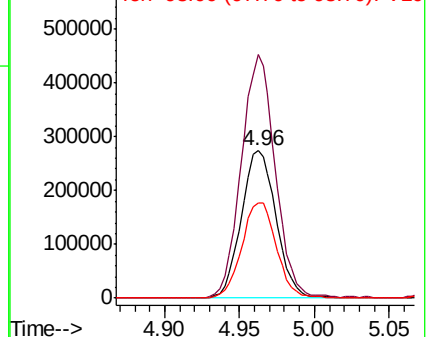
96 100

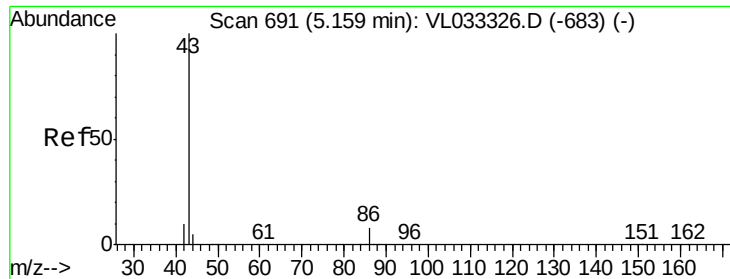
61 165.6 130.0 195.0

98 64.7 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.643 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

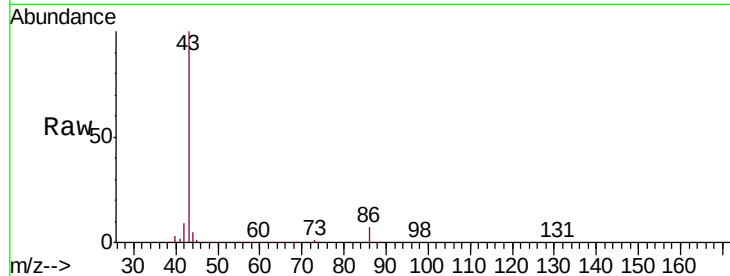
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1516923

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	9.3	8.1	12.1
44	4.9	4.1	6.1

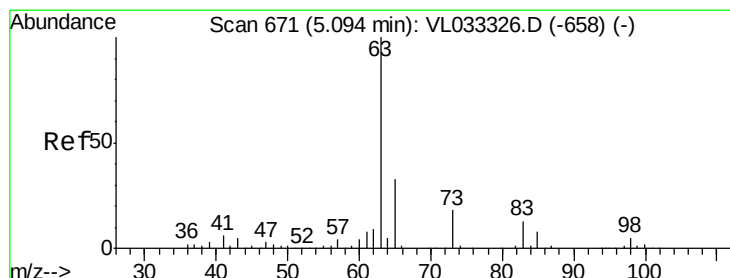
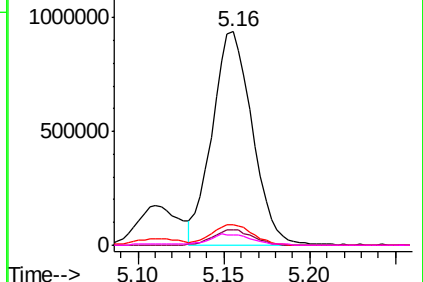
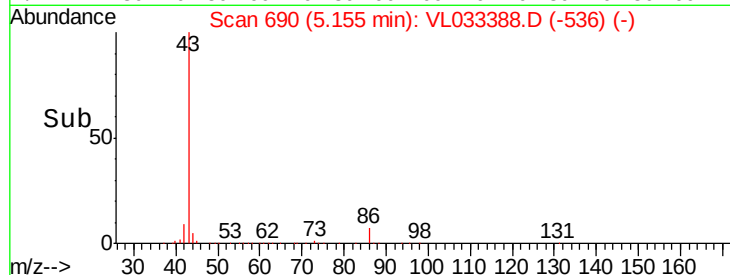


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.366 ppbv

RT: 5.09 min Scan# 670

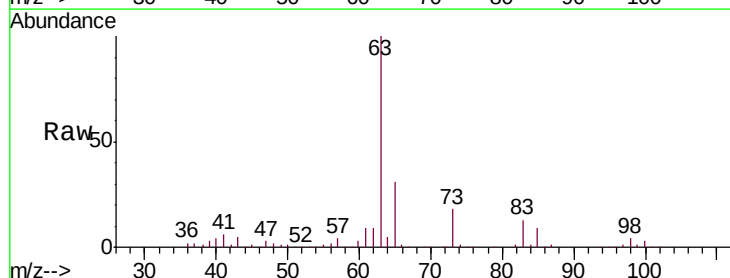
Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Tgt Ion: 63 Resp: 1067074

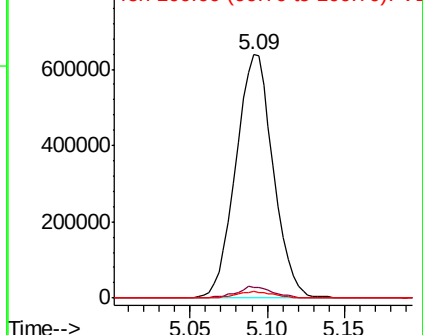
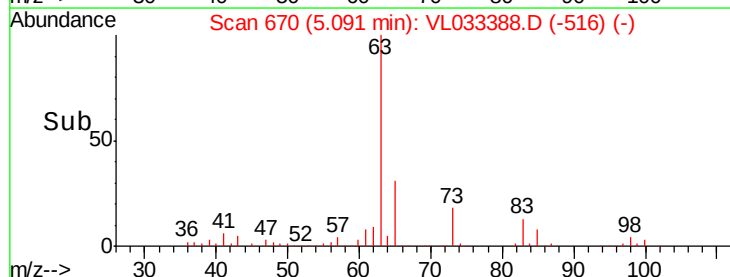
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.8	1.3	3.8

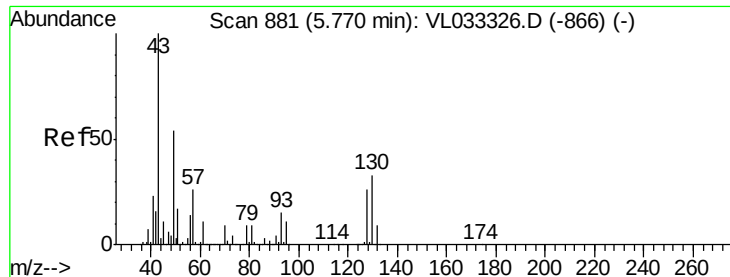


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.379 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1858462

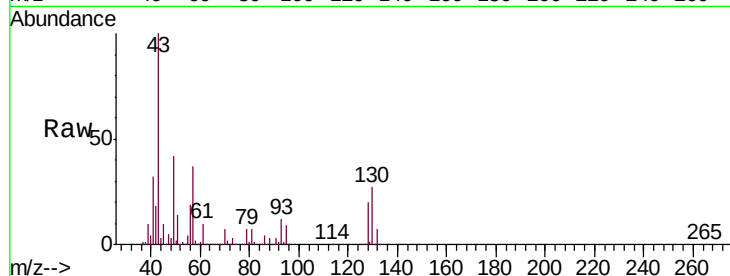
Ion Ratio Lower Upper

43 100

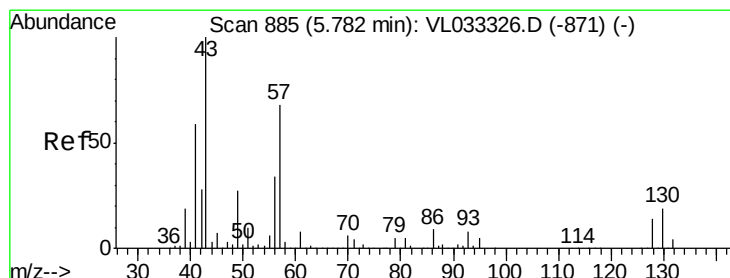
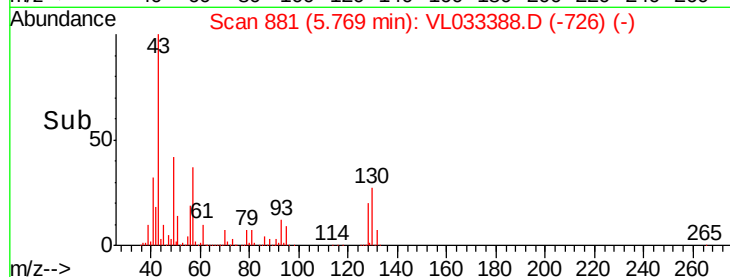
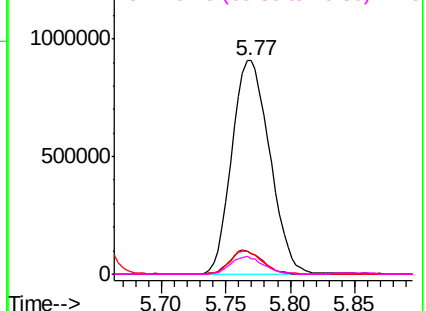
45 9.8 7.9 11.9

61 9.5 7.4 11.2

70 7.2 5.7 8.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.317 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Tgt Ion: 57 Resp: 825900

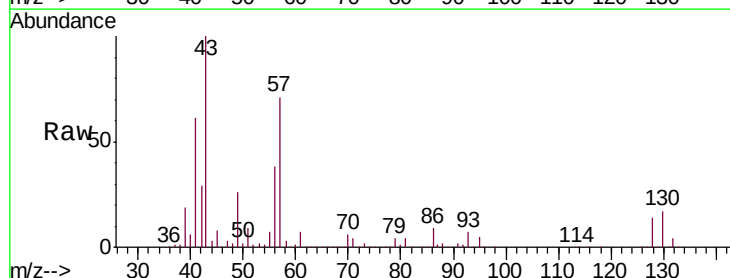
Ion Ratio Lower Upper

57 100

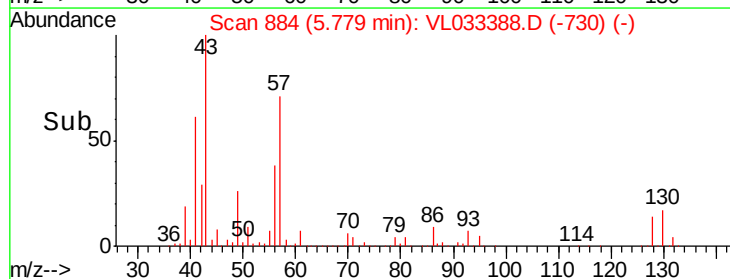
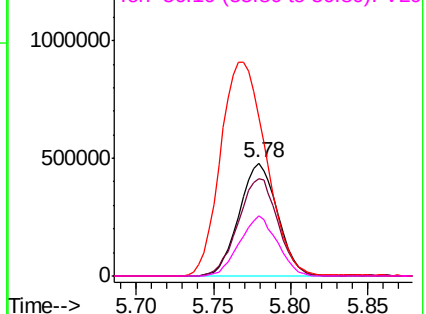
41 90.1 70.5 105.7

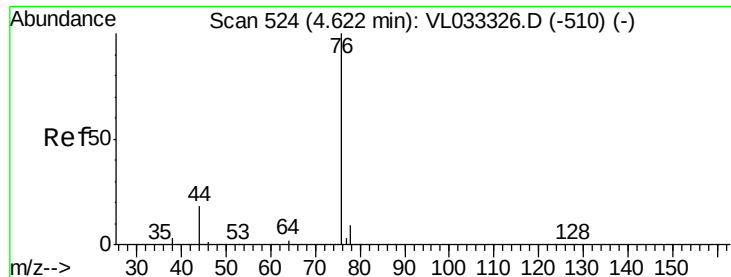
43 226.1 181.8 272.8

56 52.4 42.2 63.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.338 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

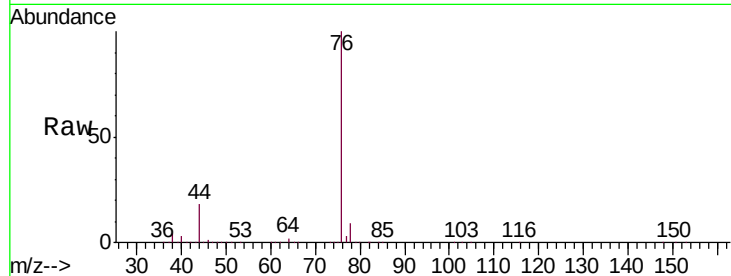
Tgt Ion: 76 Resp: 1044861

Ion Ratio Lower Upper

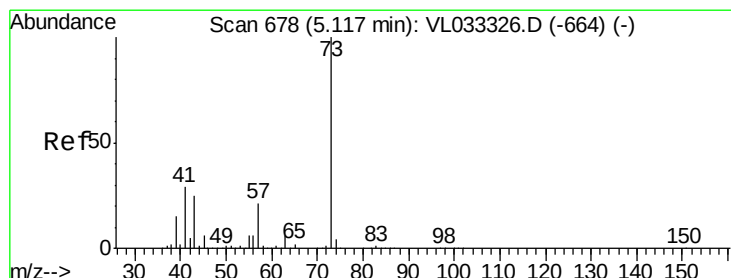
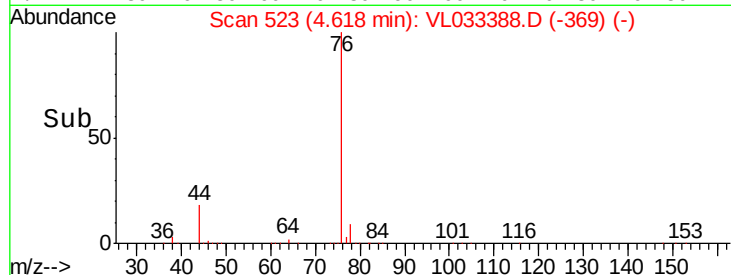
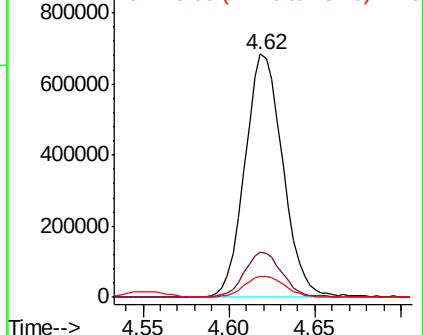
76 100

44 18.4 15.2 22.8

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.517 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.00 min

Lab File: VL033388.D

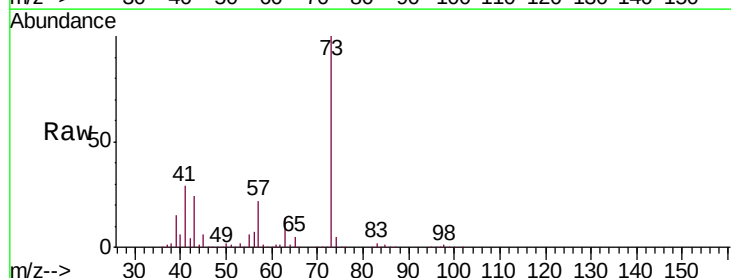
Acq: 19 Mar 2019 12:53

Tgt Ion: 73 Resp: 1250533

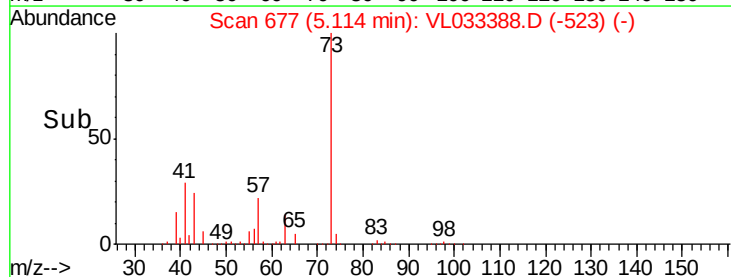
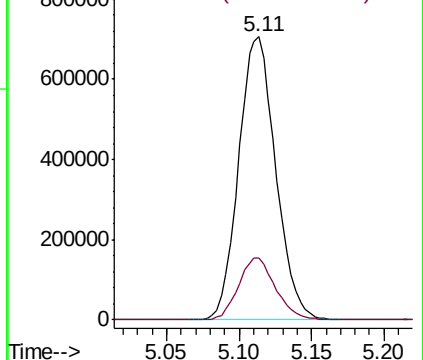
Ion Ratio Lower Upper

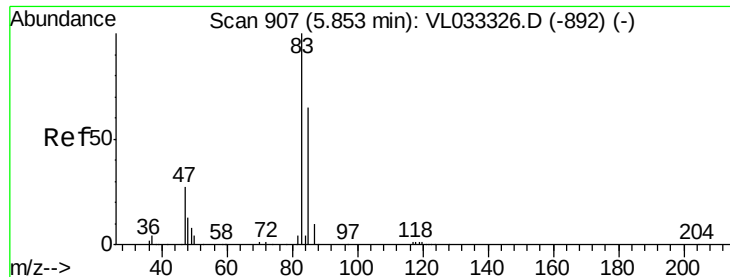
73 100

57 22.0 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

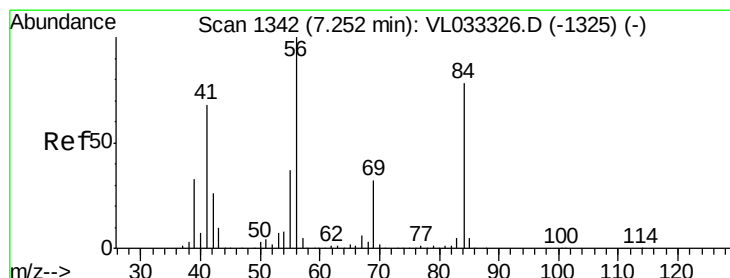
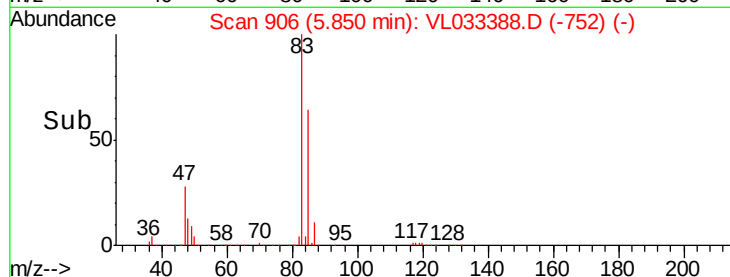
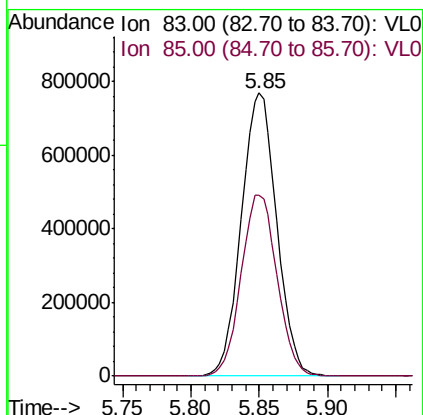
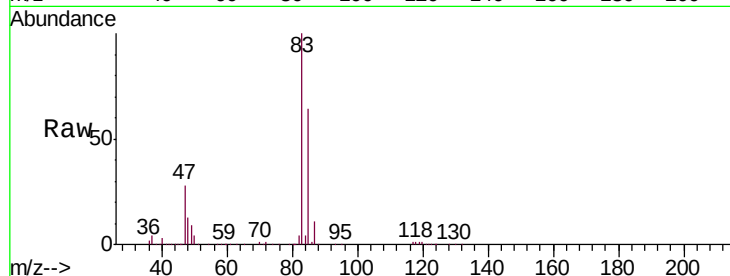




#29
Chloroform
Concen: 10.549 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

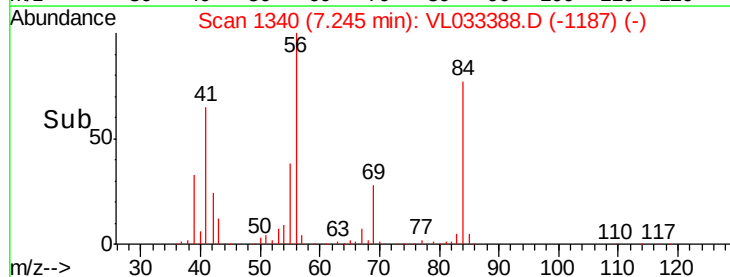
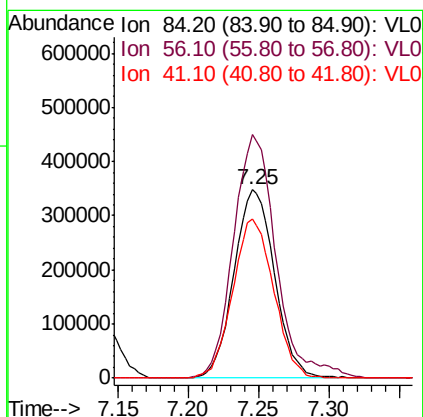
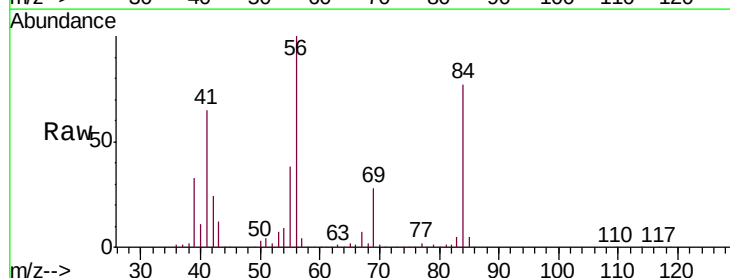
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

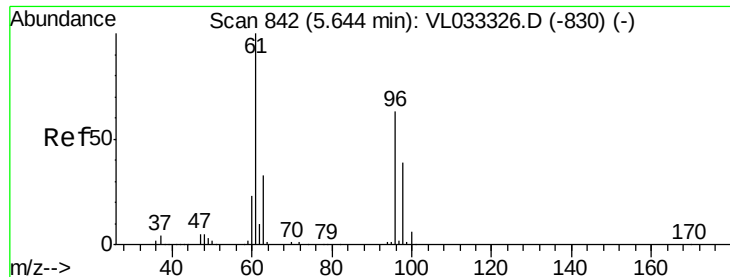
Tgt Ion: 83 Resp: 1382707
Ion Ratio Lower Upper
83 100
85 63.9 52.0 78.0



#30
Cyclohexane
Concen: 10.900 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Tgt Ion: 84 Resp: 699588
Ion Ratio Lower Upper
84 100
56 136.9 111.3 166.9
41 85.5 69.6 104.4



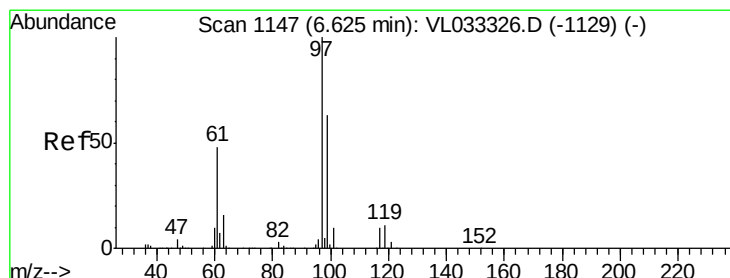
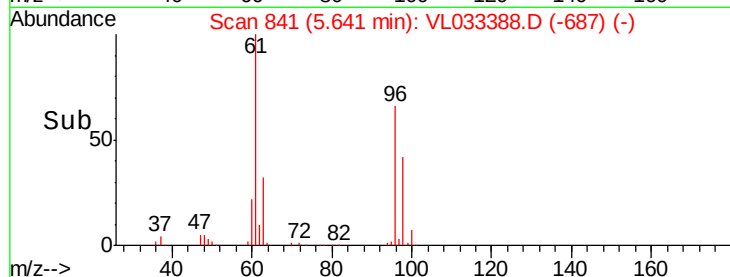
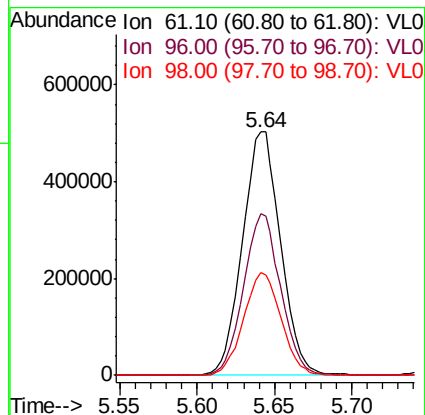
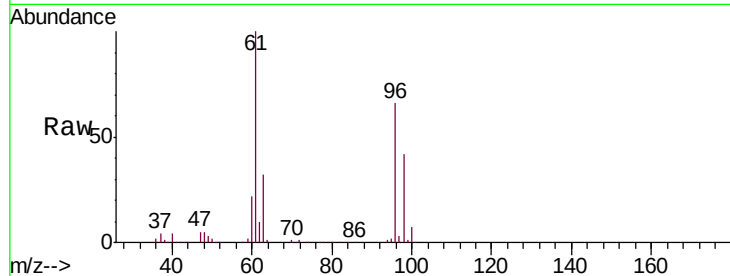


#31

cis-1,2-Dichloroethene
 Concen: 10.733 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

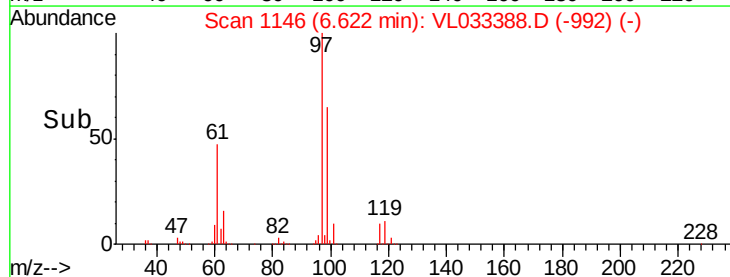
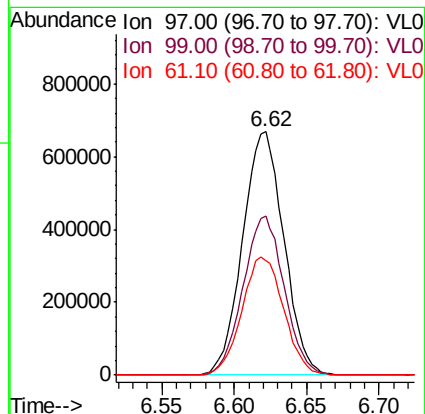
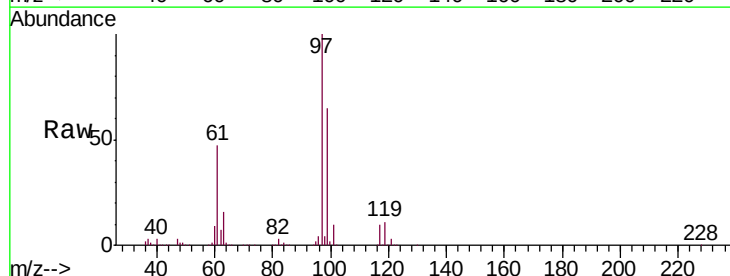
Tgt Ion	Ratio	Lower	Upper
61	100		
96	66.4	50.3	75.5
98	42.5	31.5	47.3

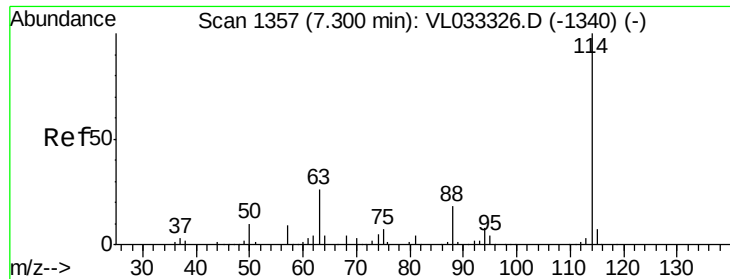


#32

1,1,1-Trichloroethane
 Concen: 10.315 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	49.3	39.3	58.9

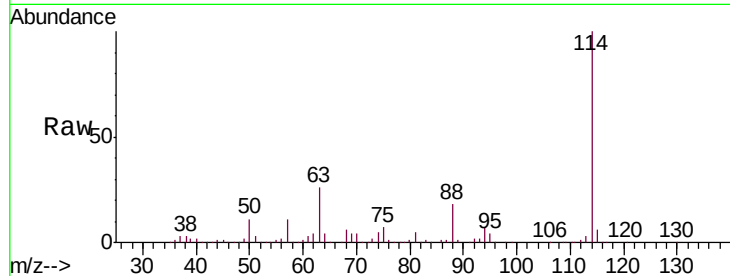




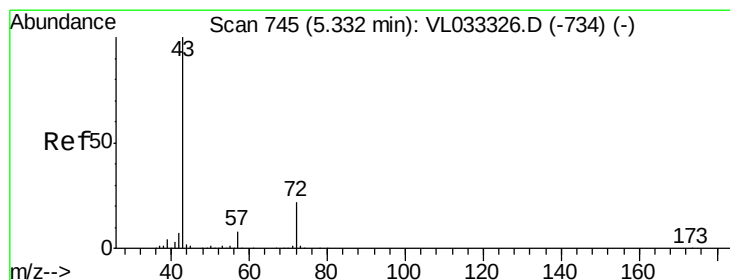
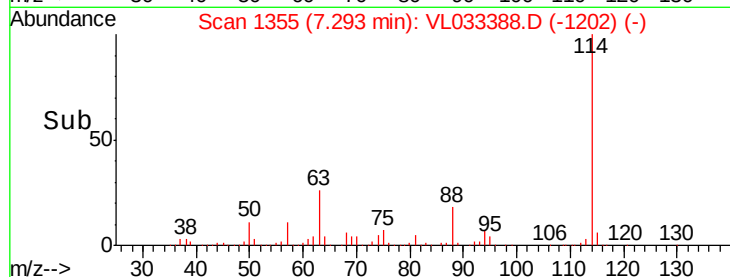
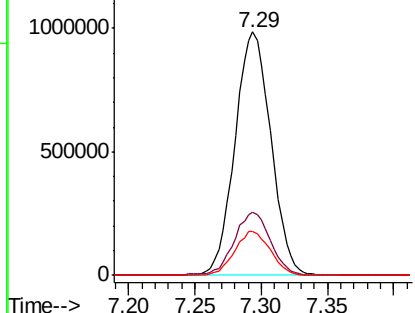
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 1856250
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.4 32.2
 88 18.0 14.5 21.7

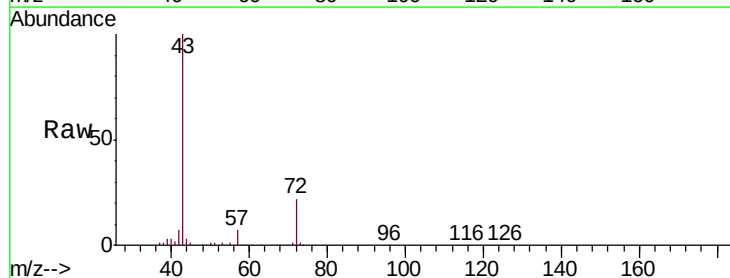


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

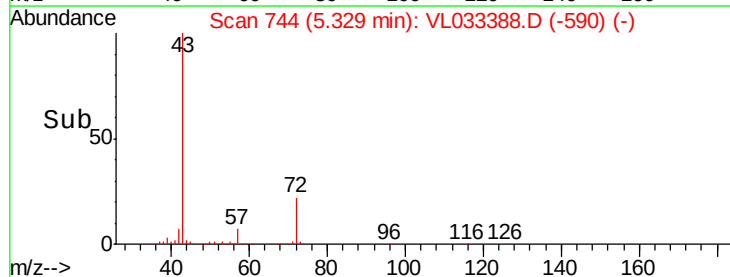
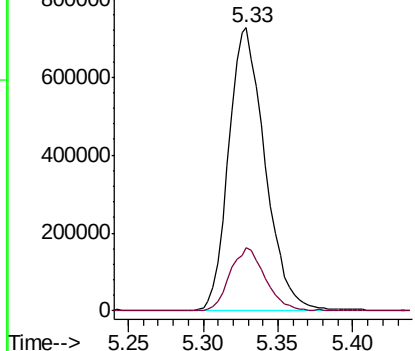


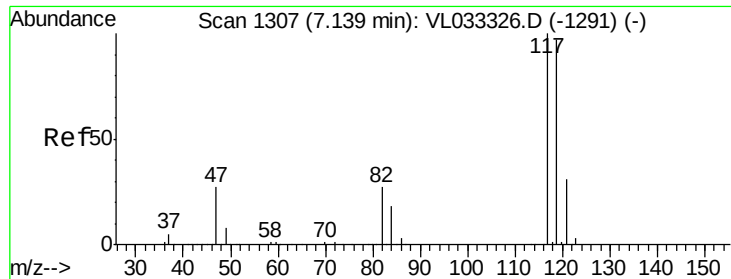
#34
 2-Butanone
 Concen: 10.065 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Tgt Ion: 43 Resp: 1226989
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

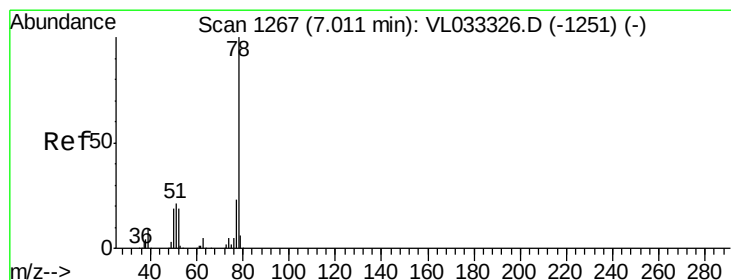
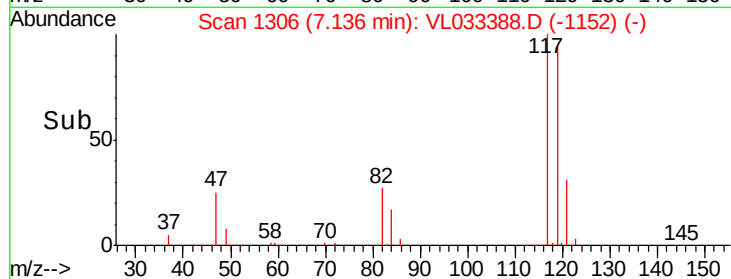
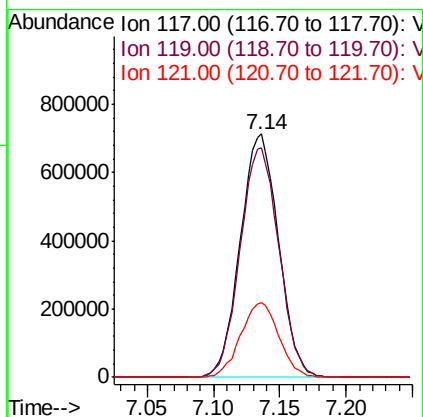
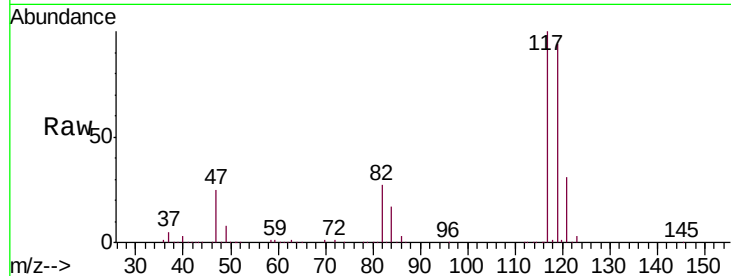




#35
Carbon Tetrachloride
Concen: 10.935 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

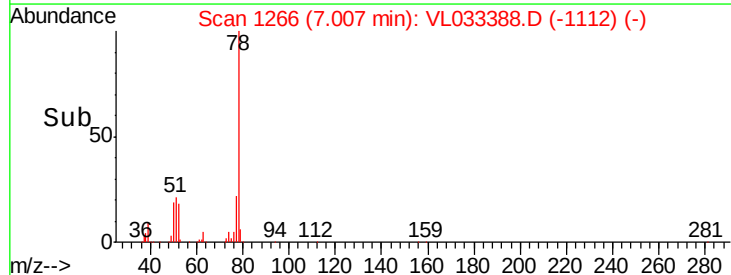
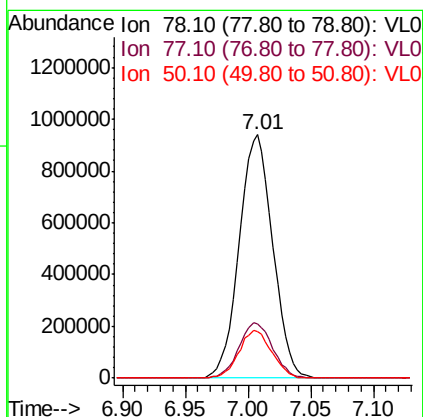
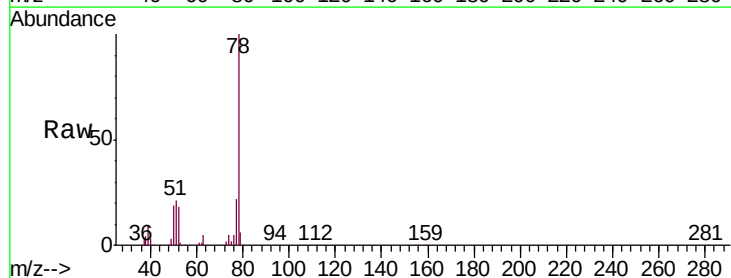
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

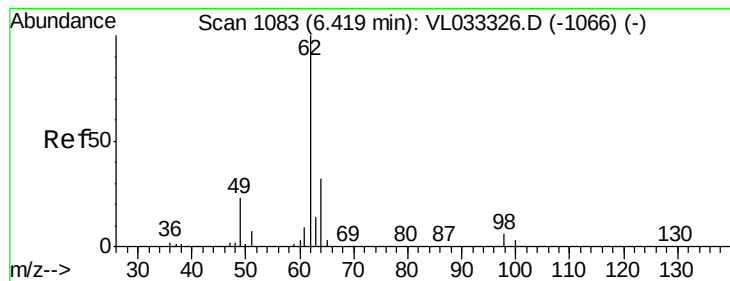
Tgt Ion:117 Resp: 1431002
Ion Ratio Lower Upper
117 100
119 94.0 77.4 116.0
121 30.8 24.9 37.3



#36
Benzene
Concen: 10.489 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Tgt Ion: 78 Resp: 1742443
Ion Ratio Lower Upper
78 100
77 22.5 18.1 27.1
50 19.2 15.2 22.8





#37

1,2-Dichloroethane

Concen: 10.108 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

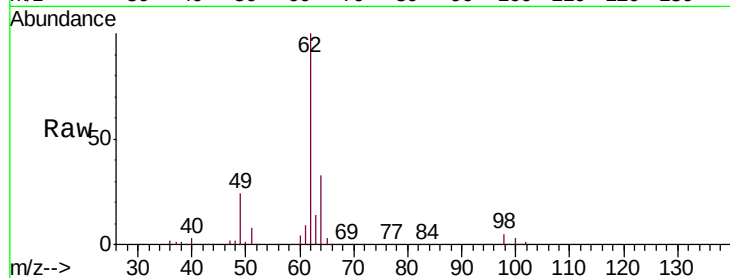
VSTDCCC010EC

Tgt Ion: 62 Resp: 1061788

Ion Ratio Lower Upper

62 100

98 5.6 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.42

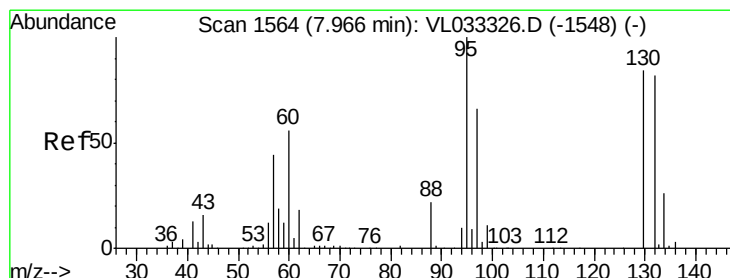
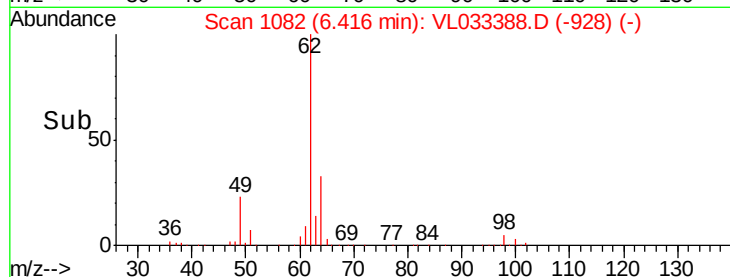
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.565 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Tgt Ion: 130 Resp: 664171

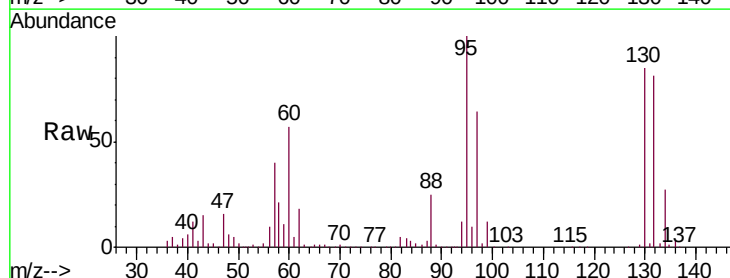
Ion Ratio Lower Upper

130 100

95 117.7 95.2 142.8

132 95.9 77.7 116.5

97 75.1 62.8 94.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

600000

500000

400000

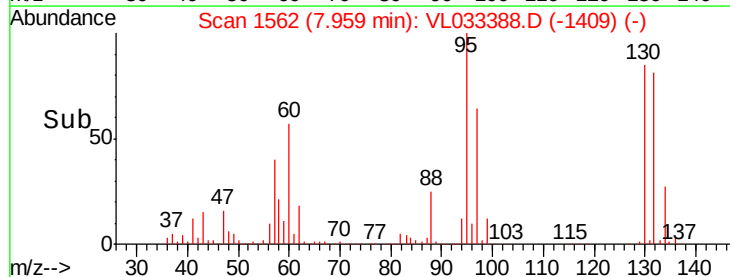
300000

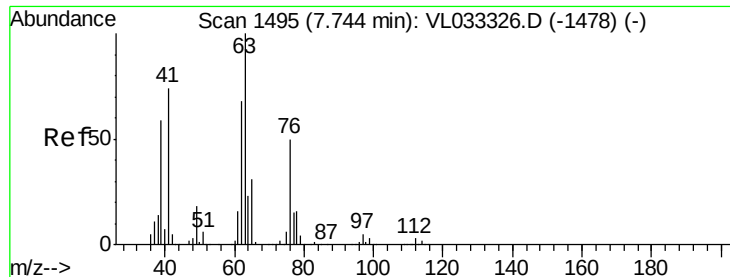
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 10.541 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

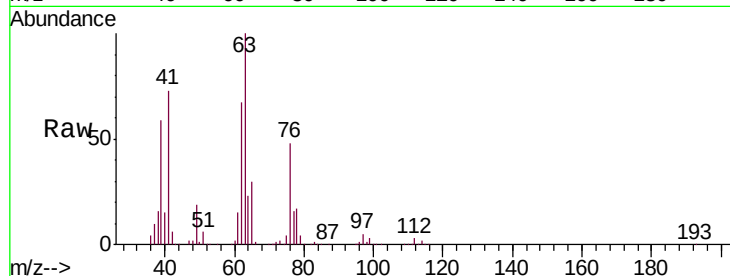
Tgt Ion: 63 Resp: 655783

Ion Ratio Lower Upper

63 100

41 73.0 59.5 89.3

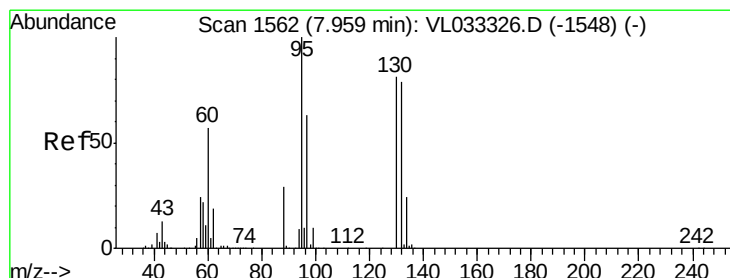
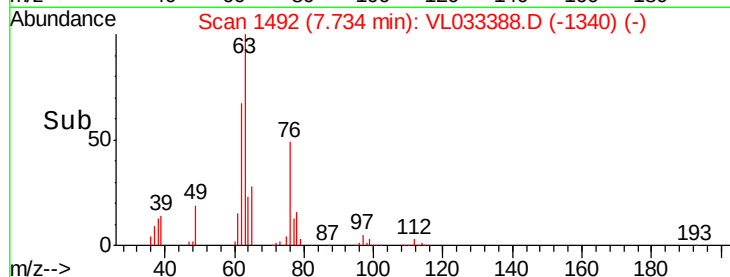
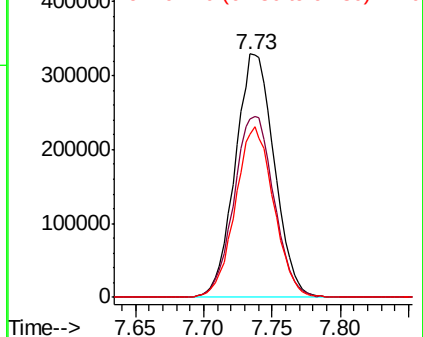
62 66.5 54.7 82.1



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.010 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Tgt Ion: 88 Resp: 241193

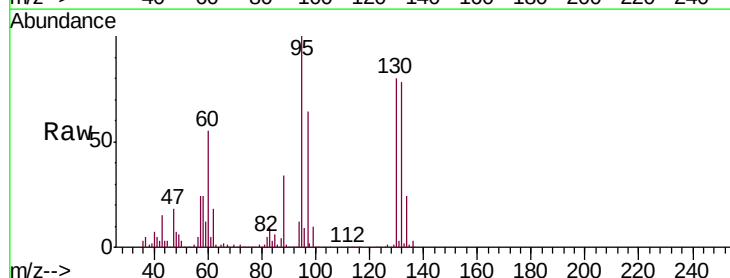
Ion Ratio Lower Upper

88 100

58 129.7 107.9 161.9

43 271.2 230.8 346.2

57 1205.4 1035.3 1552.9

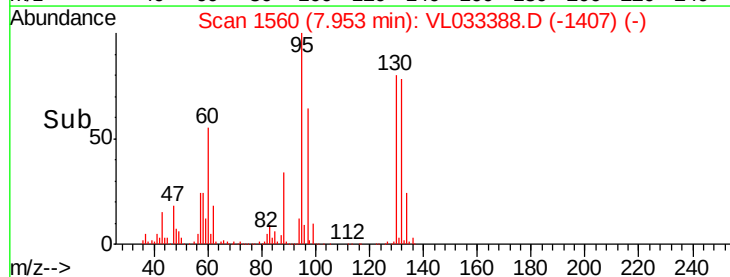
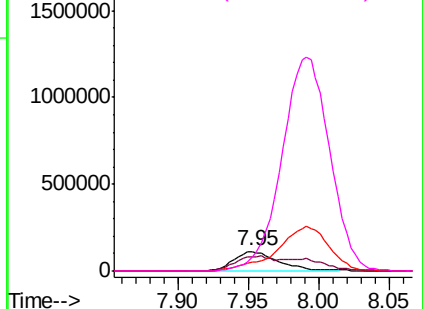


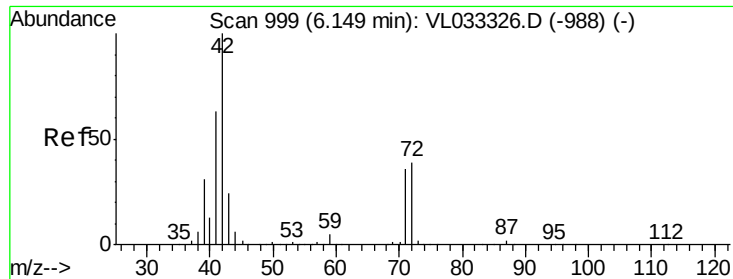
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.700 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

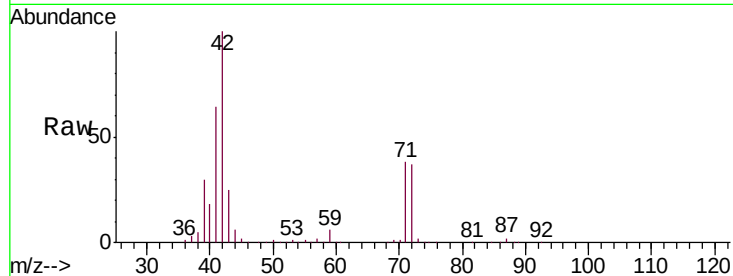
Tgt Ion: 42 Resp: 696075

Ion Ratio Lower Upper

42 100

72 38.4 31.6 47.4

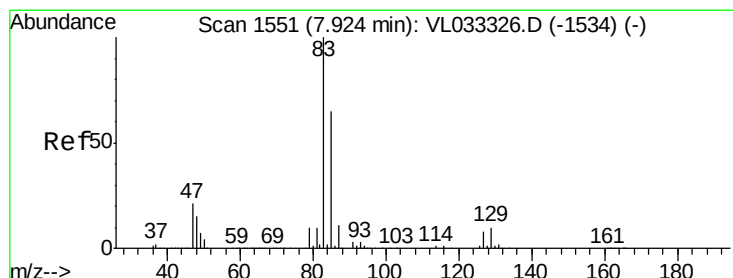
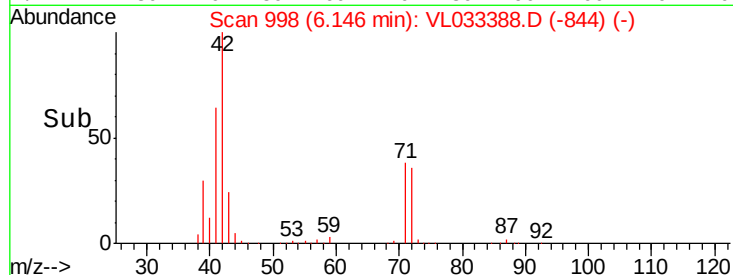
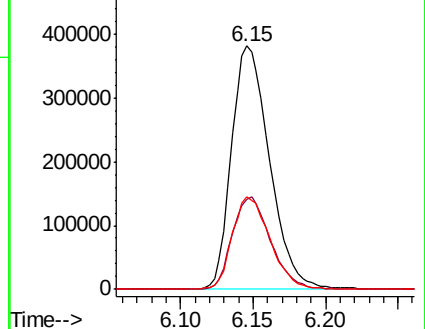
71 38.0 29.9 44.9



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.811 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

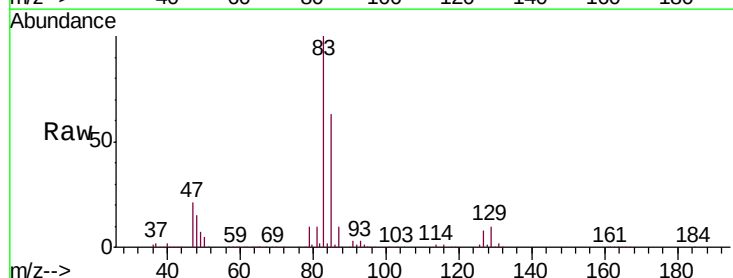
Tgt Ion: 83 Resp: 1522605

Ion Ratio Lower Upper

83 100

85 62.7 51.8 77.6

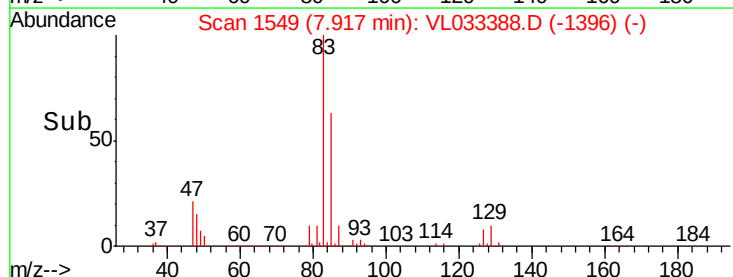
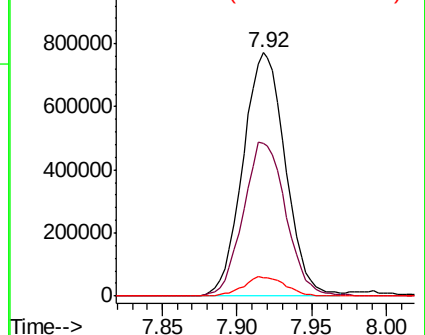
127 7.7 6.2 9.2

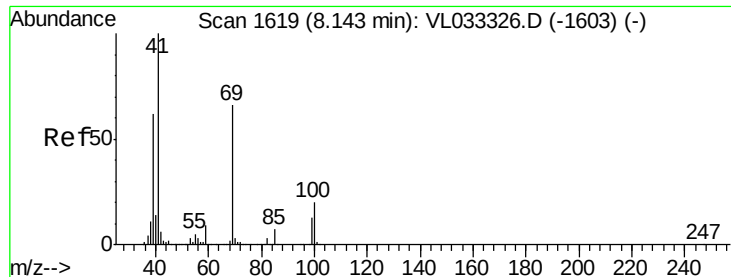


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

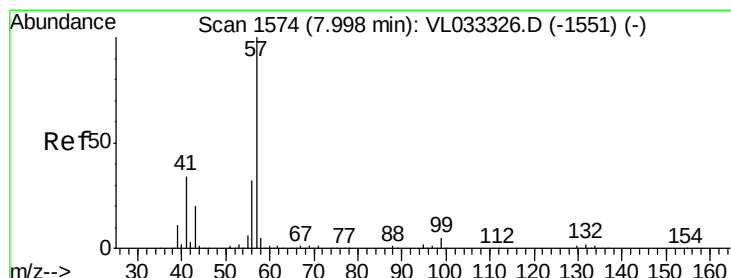
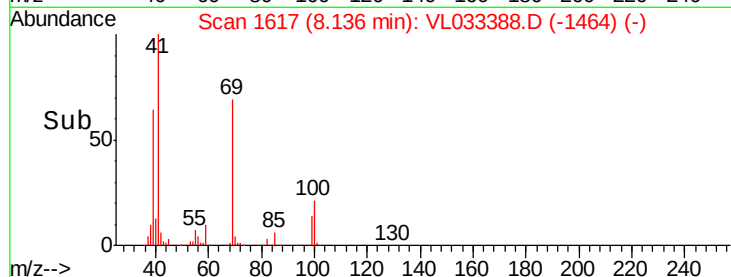
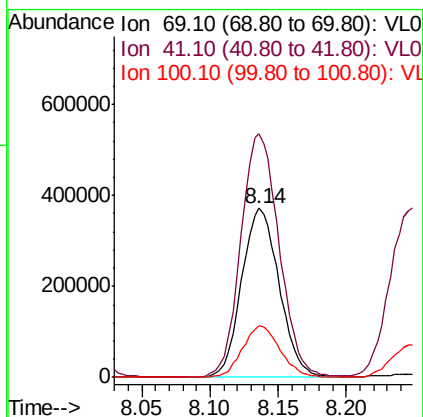
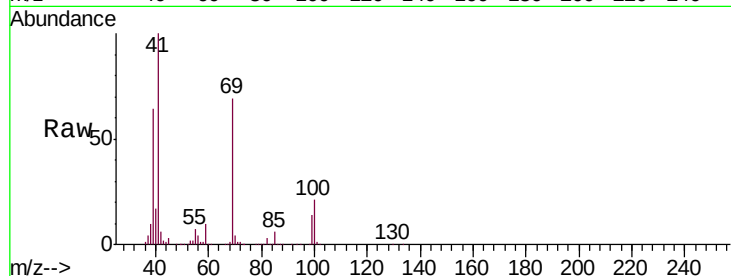




#43
Methyl Methacrylate
Concen: 11.010 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

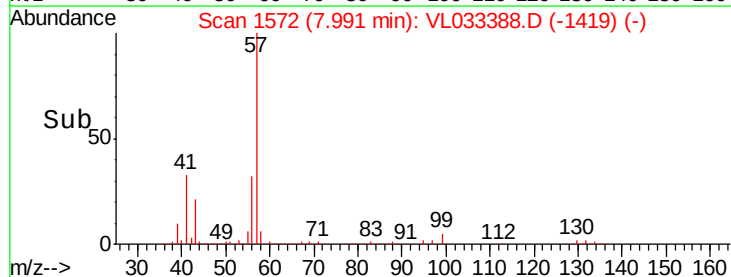
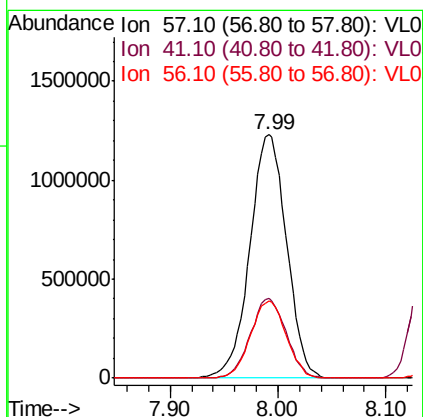
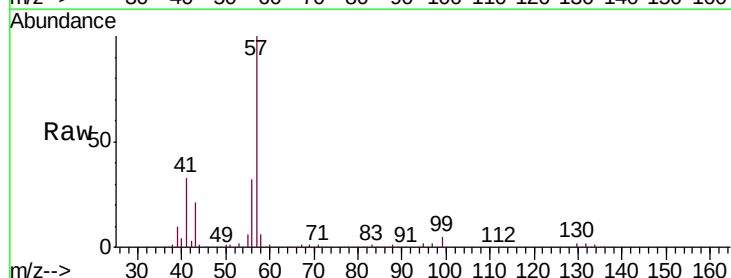
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

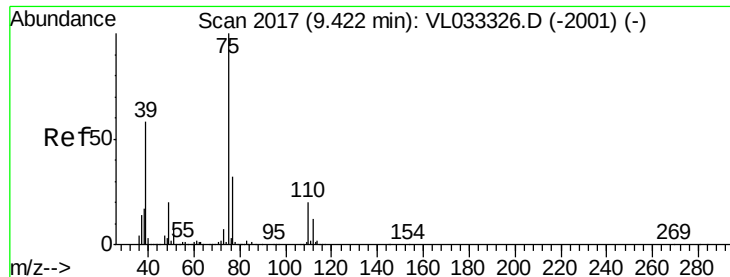
Tgt Ion: 69 Resp: 712165
Ion Ratio Lower Upper
69 100
41 146.3 119.5 179.3
100 30.5 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.548 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Tgt Ion: 57 Resp: 2902316
Ion Ratio Lower Upper
57 100
41 32.0 26.0 39.0
56 30.8 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 11.827 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

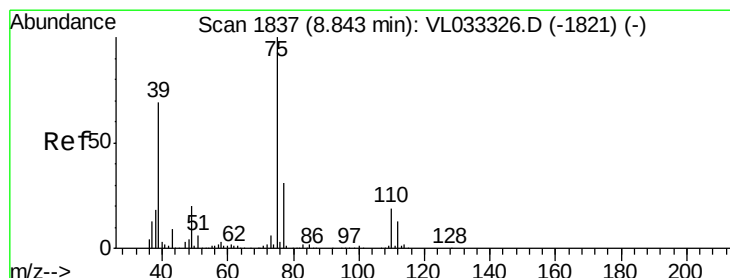
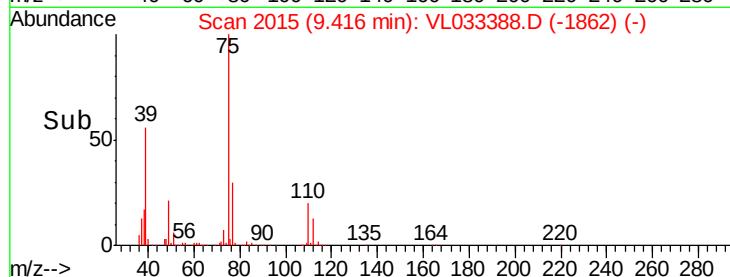
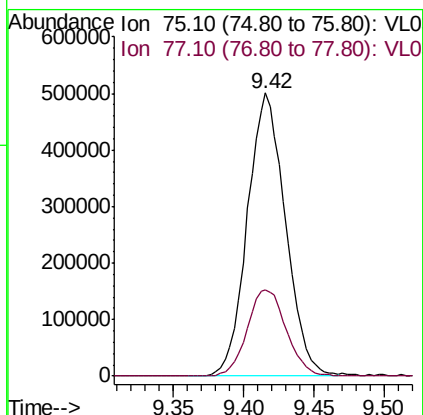
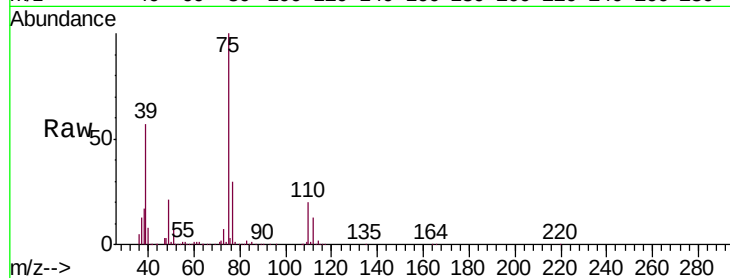
VSTDCCC010EC

Tgt Ion: 75 Resp: 944471

Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3



#46

cis-1,3-Dichloropropene

Concen: 11.495 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

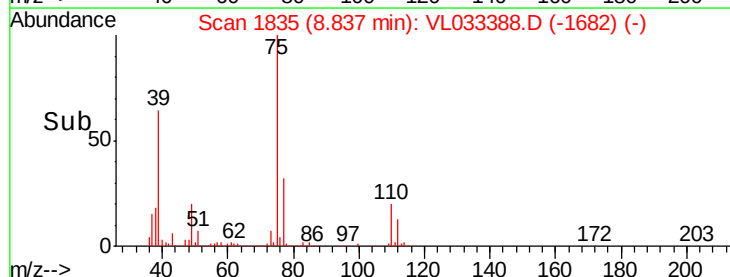
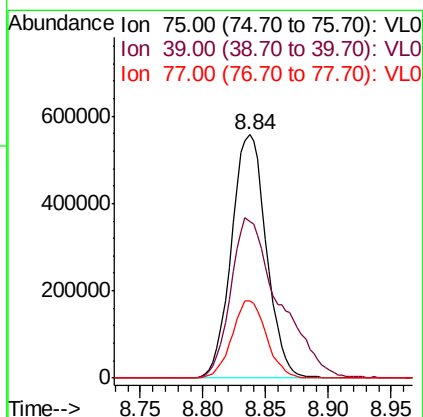
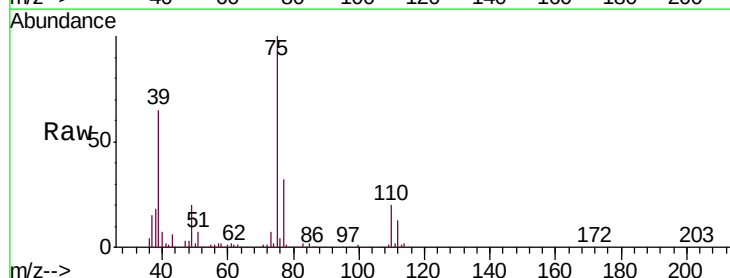
Tgt Ion: 75 Resp: 1080955

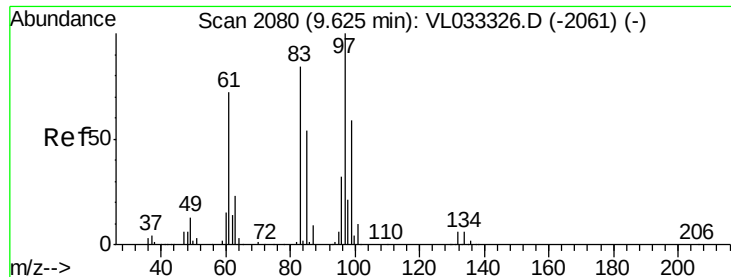
Ion Ratio Lower Upper

75 100

39 64.4 55.0 82.6

77 31.8 24.5 36.7

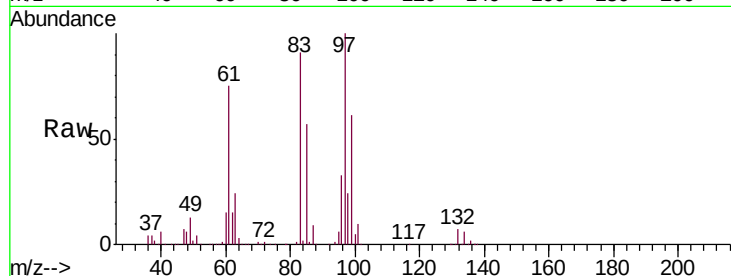




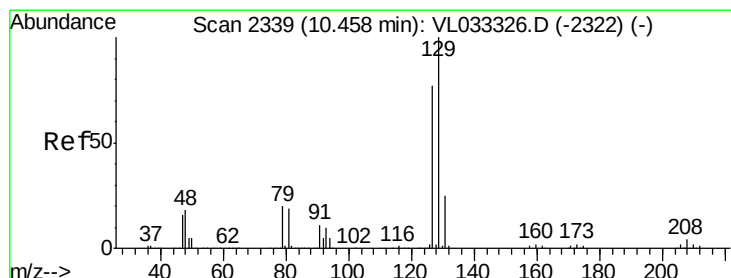
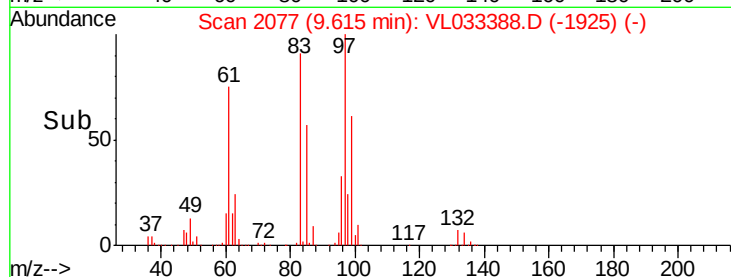
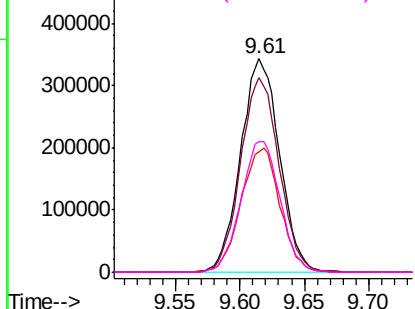
#47
 1,1,2-Trichloroethane
 Concen: 10.529 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 723739
 Ion Ratio Lower Upper
 97 100
 83 91.0 67.4 101.0
 85 56.3 43.0 64.4
 99 61.1 47.0 70.6

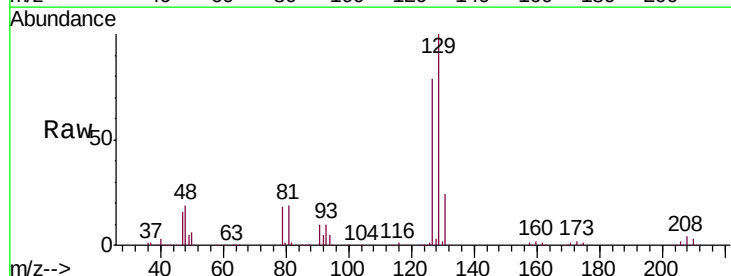


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

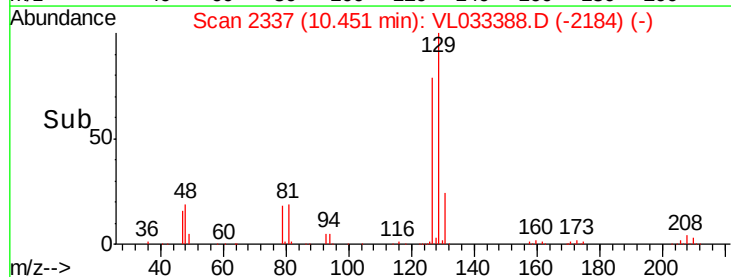
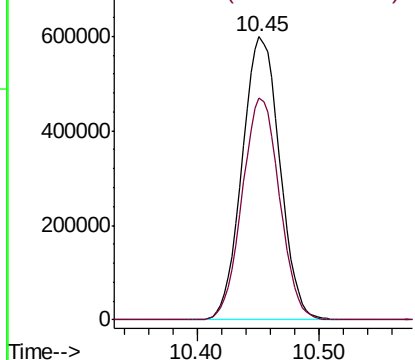


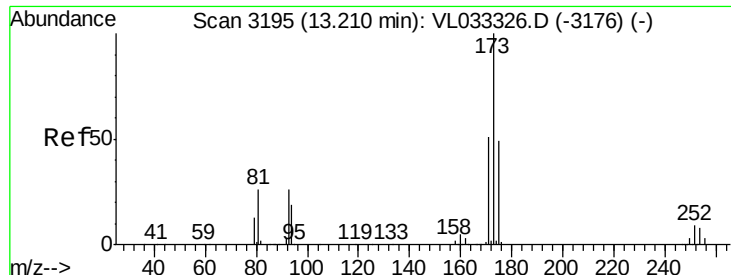
#48
 Dibromochloromethane
 Concen: 11.037 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Tgt Ion: 129 Resp: 1272330
 Ion Ratio Lower Upper
 129 100
 127 78.1 38.9 116.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.822 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

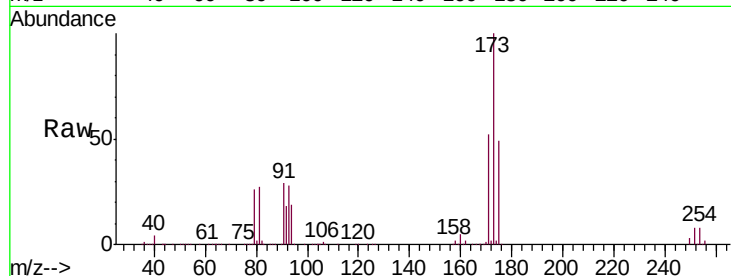
Tgt Ion:173 Resp: 1292784

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

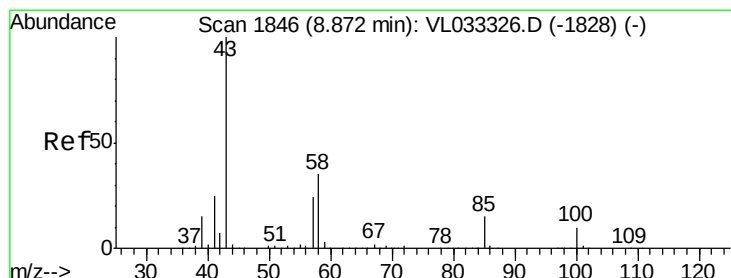
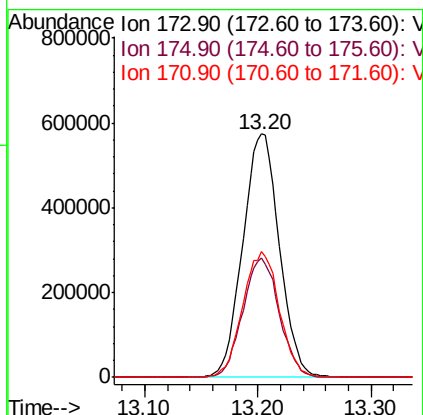
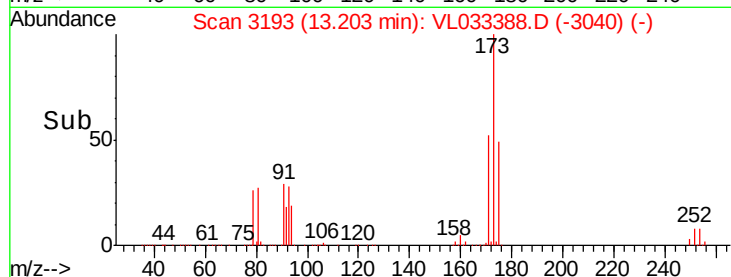
171 51.7 41.7 62.5



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.533 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033388.D

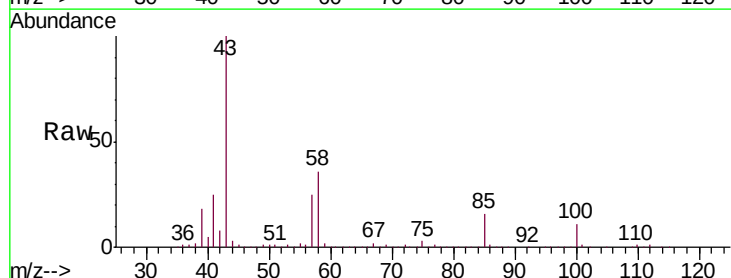
Acq: 19 Mar 2019 12:53

Tgt Ion: 43 Resp: 1813758

Ion Ratio Lower Upper

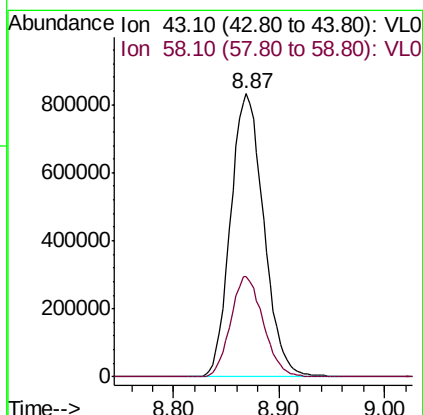
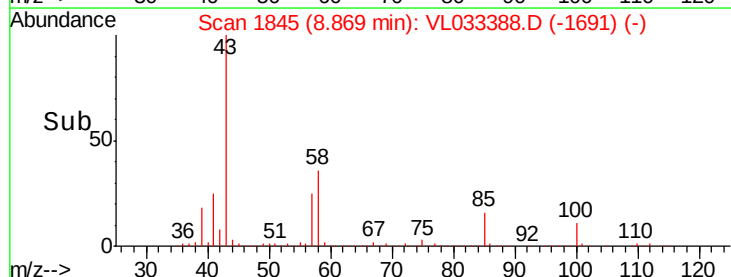
43 100

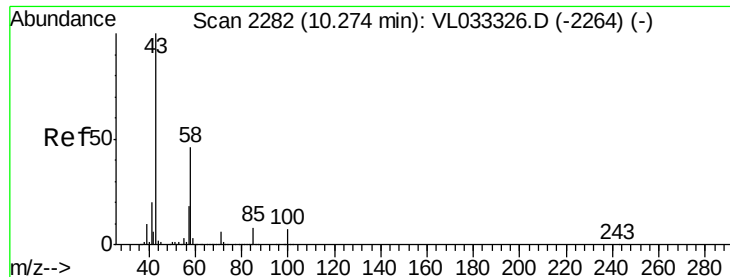
58 34.9 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

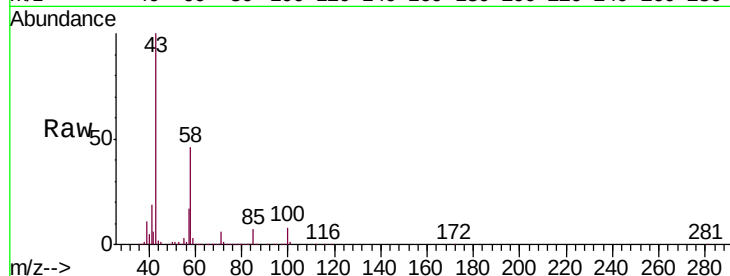




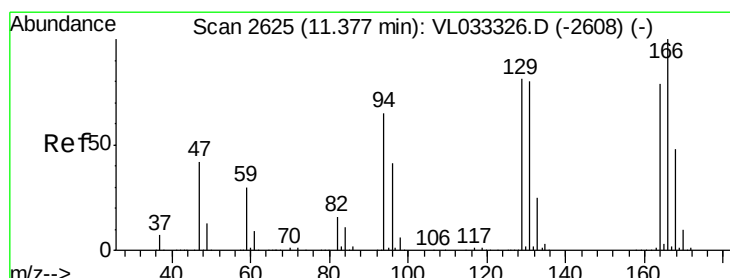
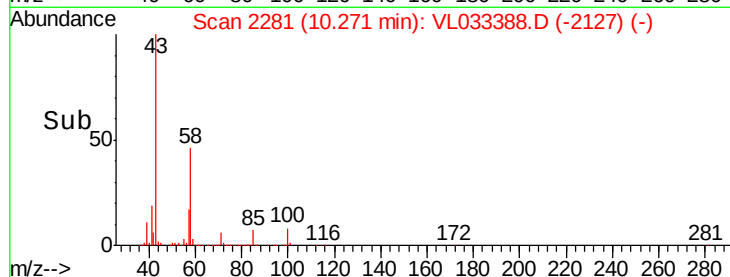
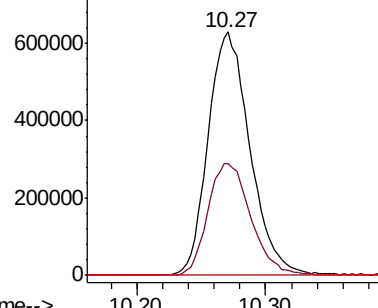
#51
2-Hexanone
Concen: 10.645 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1414236
Ion Ratio Lower Upper
43 100
58 47.5 38.0 57.0
98 0.3 0.1 0.1#

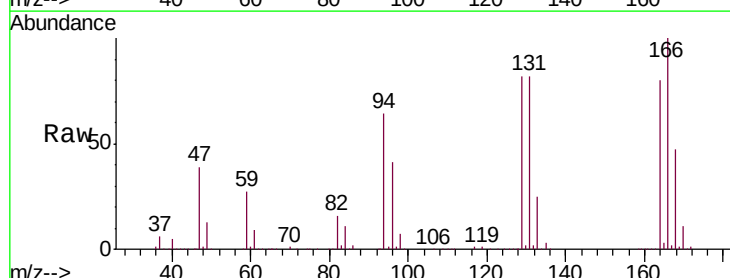


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

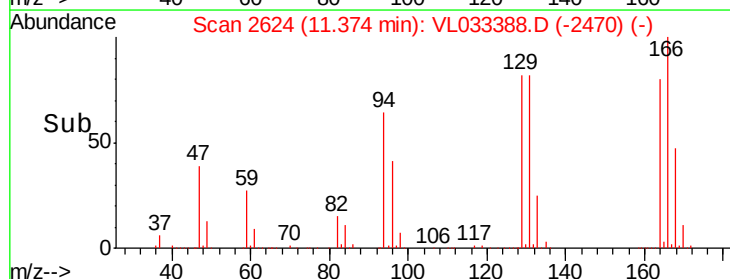
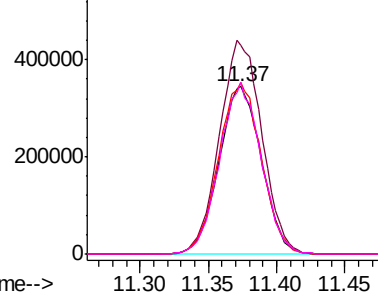


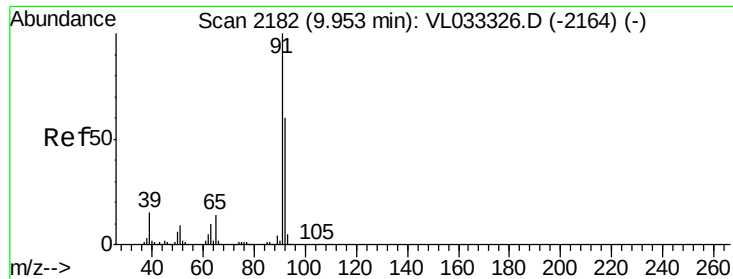
#52
Tetrachloroethene
Concen: 10.734 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Tgt Ion: 164 Resp: 742883
Ion Ratio Lower Upper
164 100
166 125.2 101.5 152.3
129 102.6 82.2 123.2
131 102.5 81.1 121.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.852 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

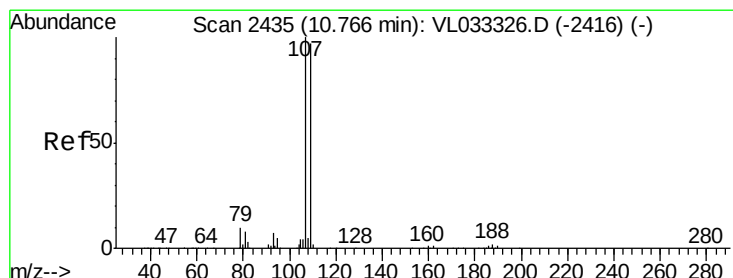
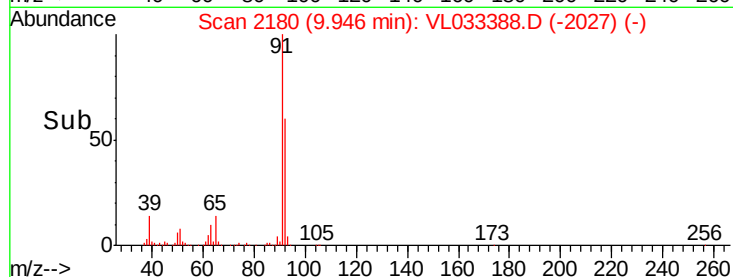
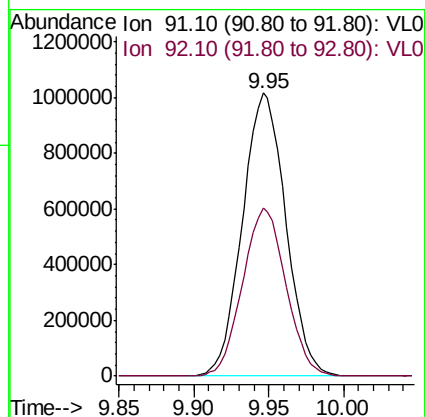
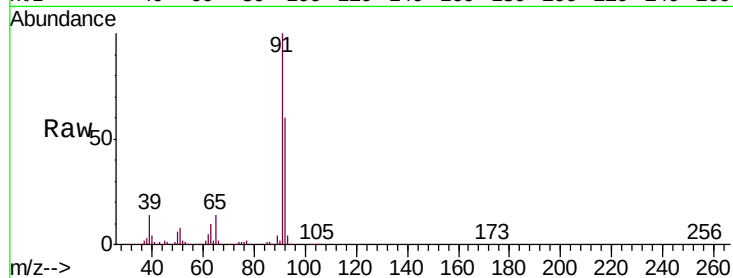
VSTDCCC010EC

Tgt Ion: 91 Resp: 2048382

Ion Ratio Lower Upper

91 100

92 59.5 47.4 71.0



#54

1,2-Dibromoethane

Concen: 9.972 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033388.D

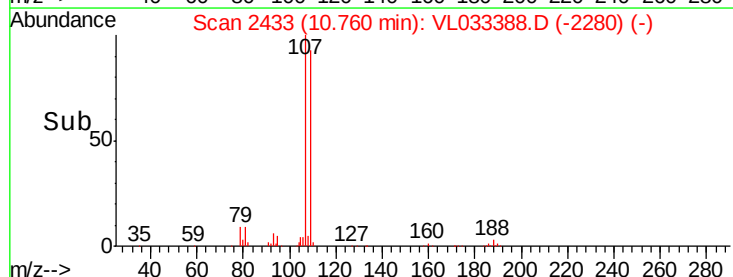
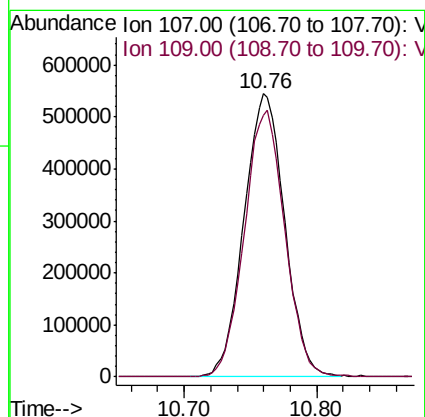
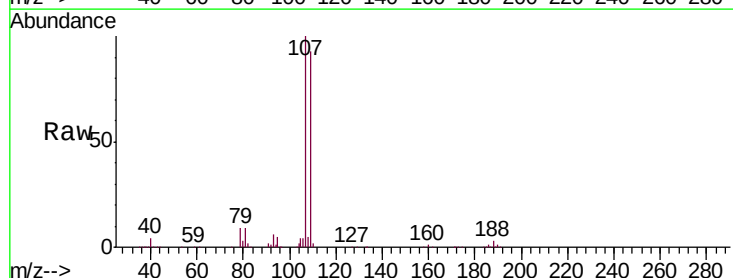
Acq: 19 Mar 2019 12:53

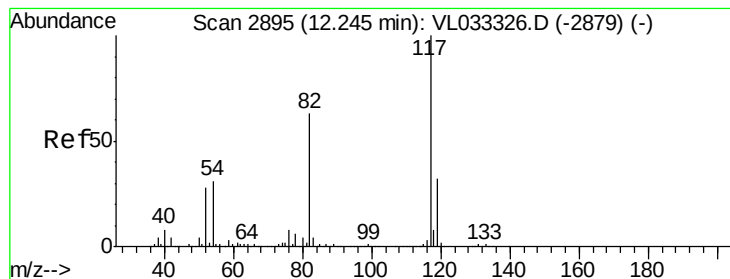
Tgt Ion: 107 Resp: 1158712

Ion Ratio Lower Upper

107 100

109 92.6 77.2 115.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

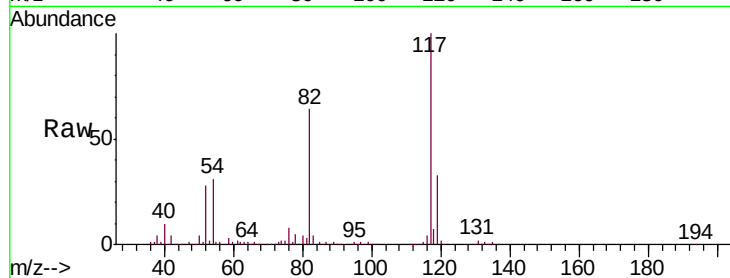
Tgt Ion:117 Resp: 2200226

Ion Ratio Lower Upper

117 100

82 62.9 53.4 80.2

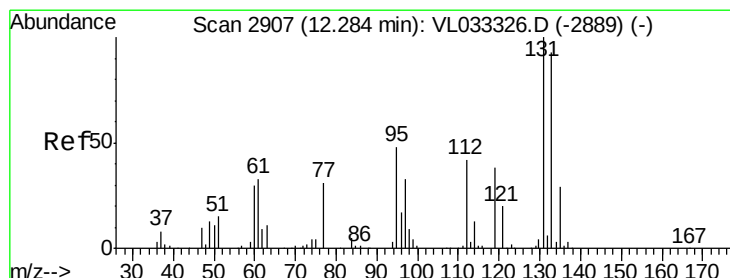
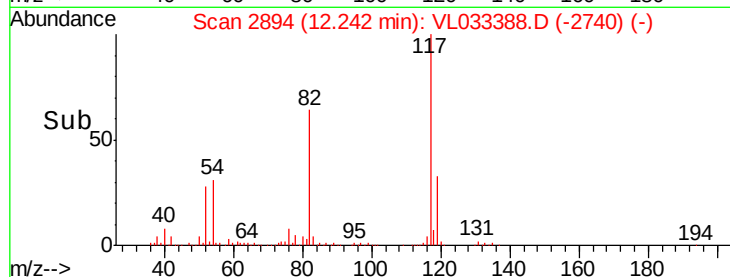
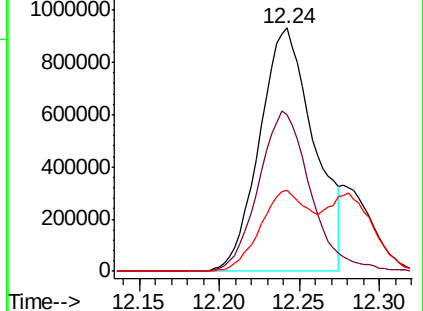
119 32.6 27.3 40.9



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.369 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

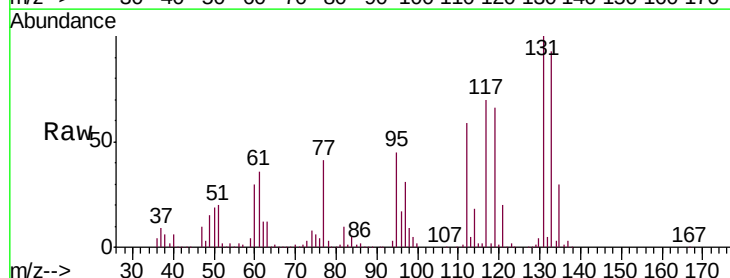
Tgt Ion:131 Resp: 1020521

Ion Ratio Lower Upper

131 100

133 95.1 76.7 115.1

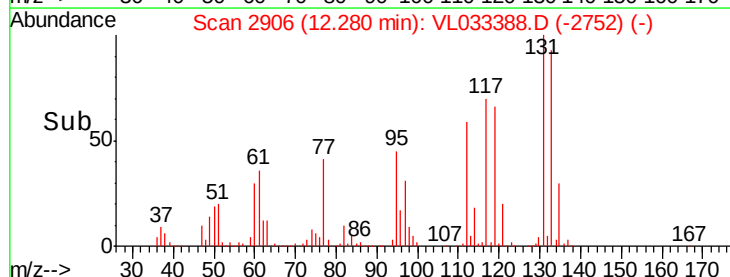
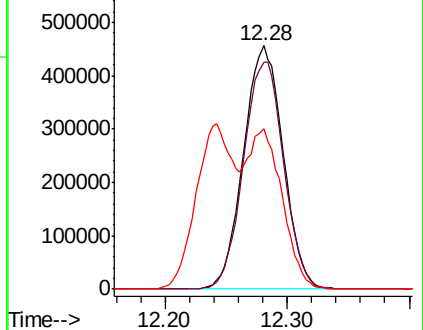
119 55.5 40.3 60.5

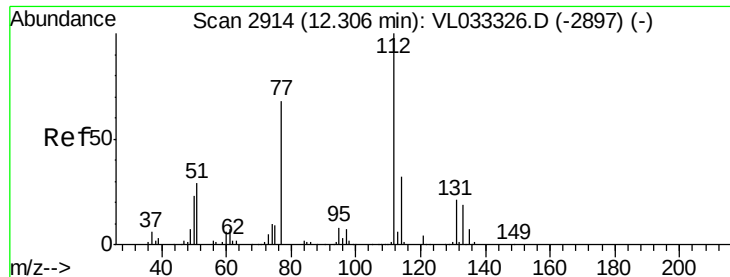


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

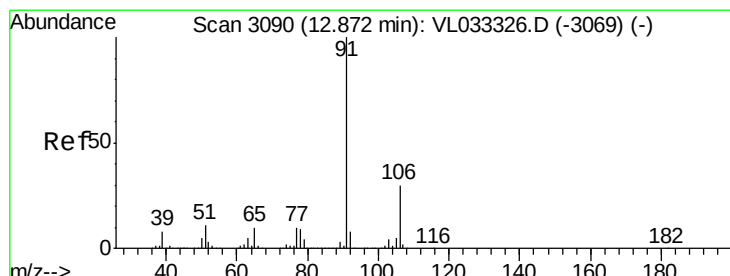
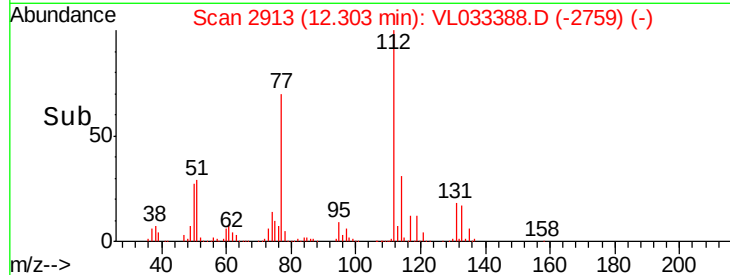
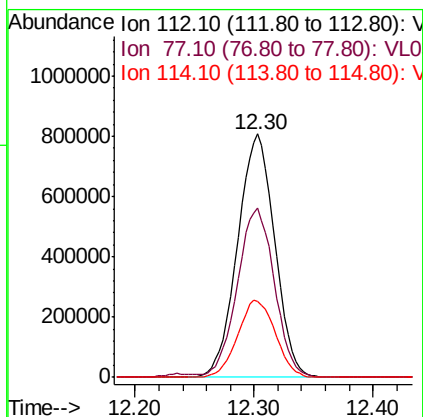
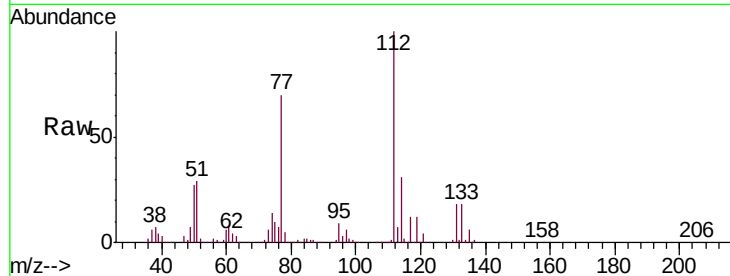




#57
Chlorobenzene
Concen: 9.994 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

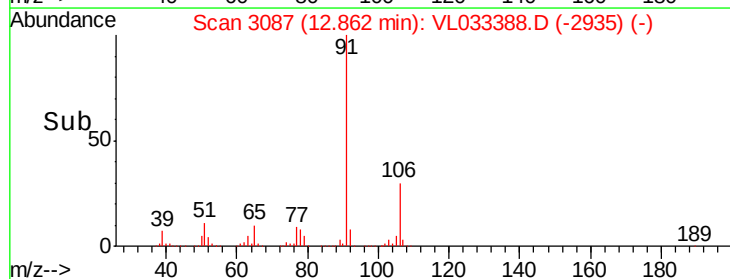
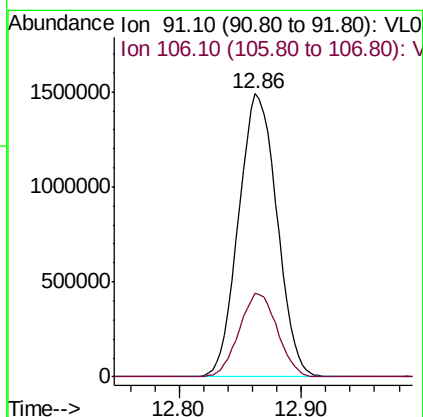
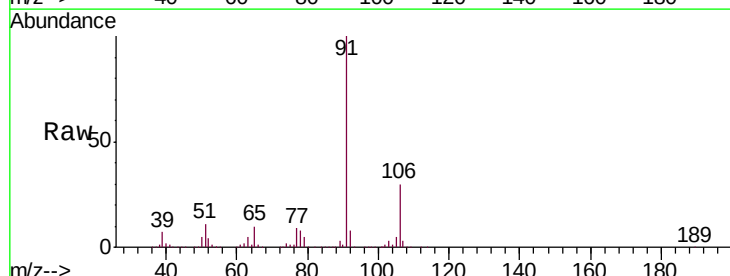
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

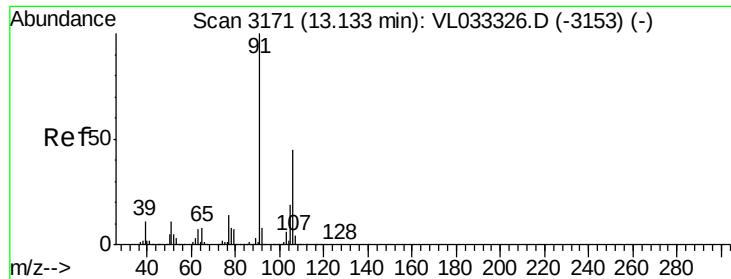
Tgt Ion: 112 Resp: 1741470
Ion Ratio Lower Upper
112 100
77 69.6 55.8 83.6
114 31.4 28.6 35.0



#58
Ethyl Benzene
Concen: 10.401 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Tgt Ion: 91 Resp: 3237377
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.2

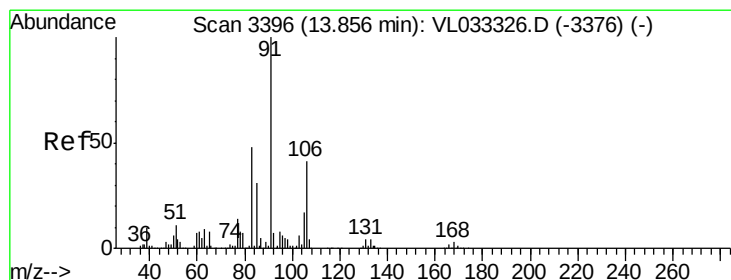
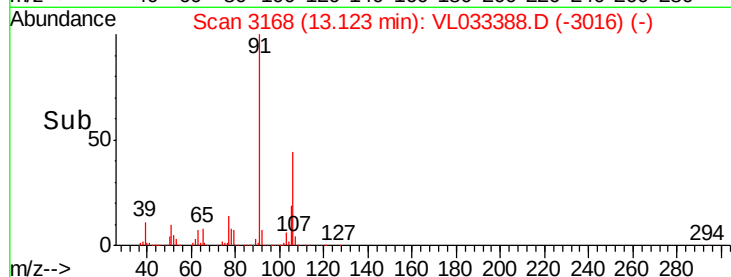
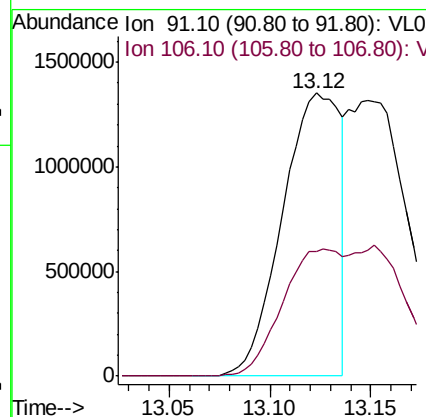
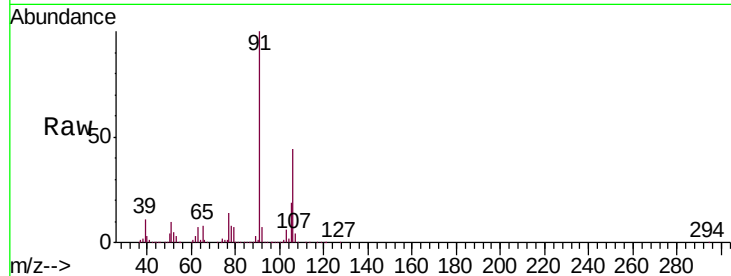




#59
m/p-Xylene
Concen: 10.054 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

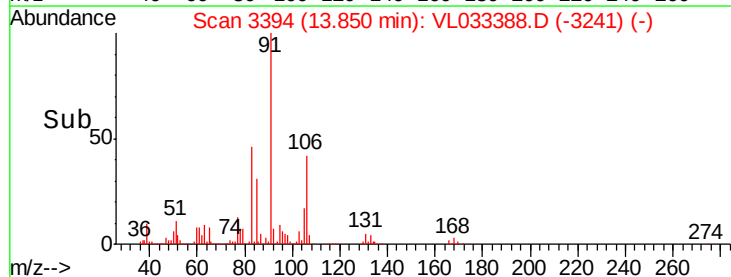
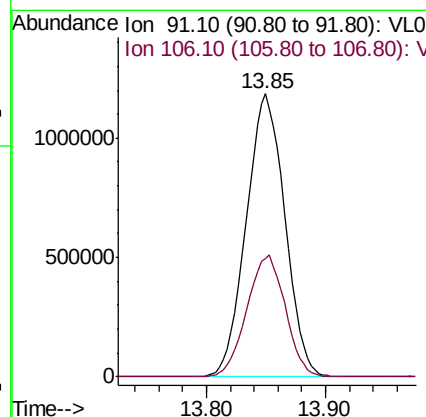
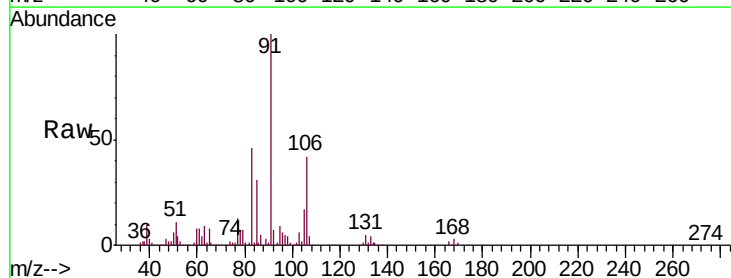
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

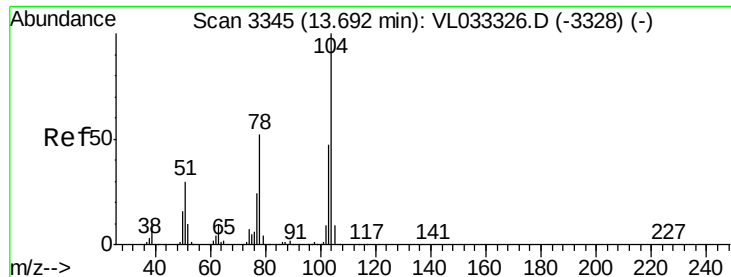
Tgt Ion: 91 Resp: 2689201
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 10.192 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Tgt Ion: 91 Resp: 2659657
Ion Ratio Lower Upper
91 100
106 42.9 21.3 63.9





#61

Styrene

Concen: 10.858 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

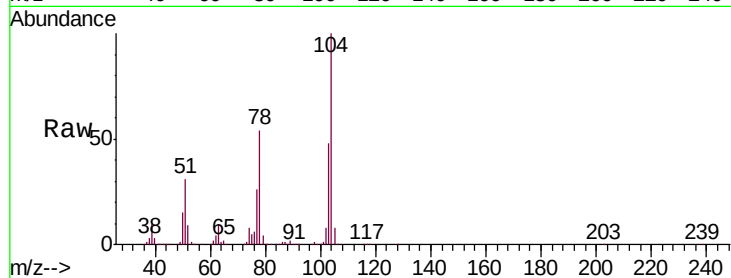
Tgt Ion:104 Resp: 1983838

Ion Ratio Lower Upper

104 100

78 54.2 42.7 64.1

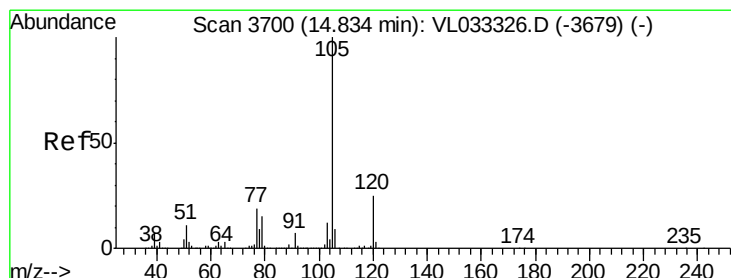
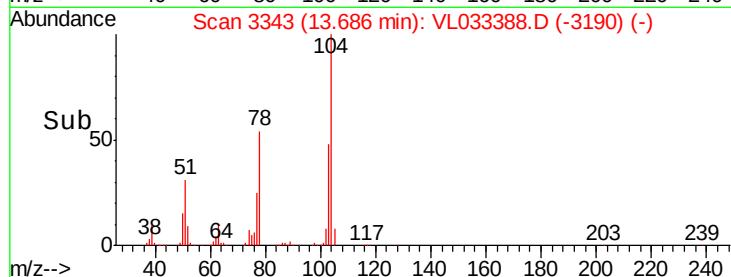
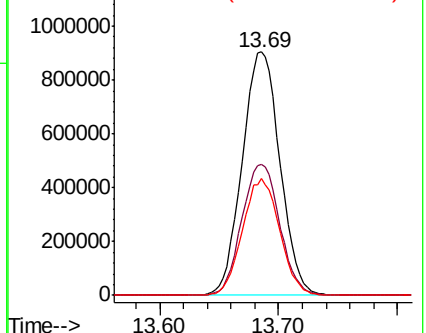
103 47.4 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.245 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.01 min

Lab File: VL033388.D

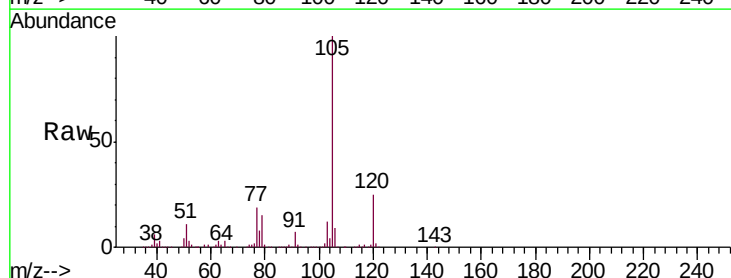
Acq: 19 Mar 2019 12:53

Tgt Ion:105 Resp: 3716855

Ion Ratio Lower Upper

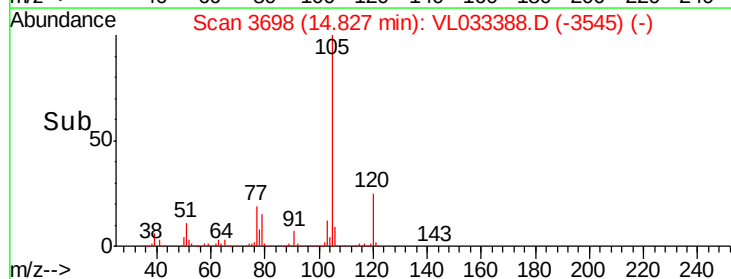
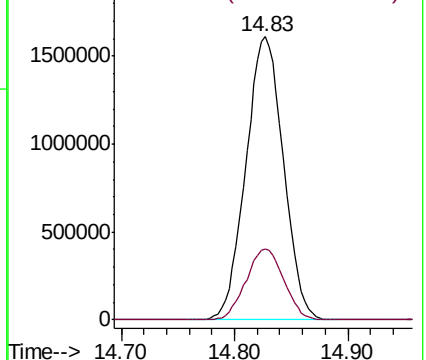
105 100

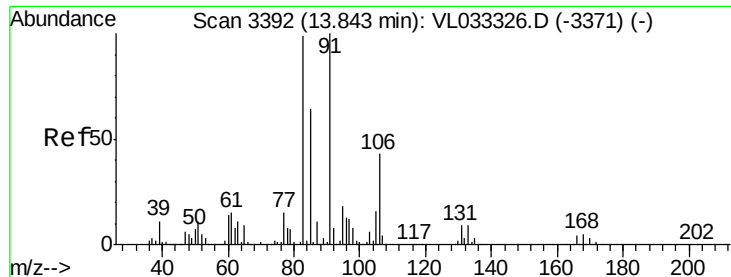
120 25.2 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

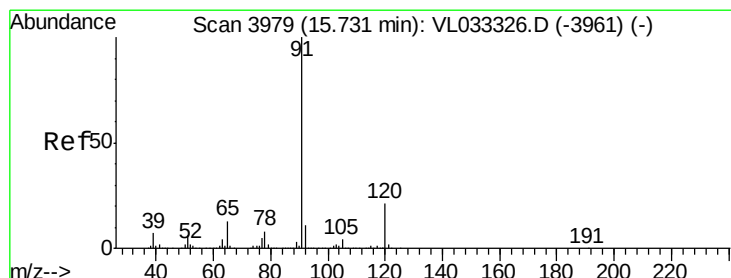
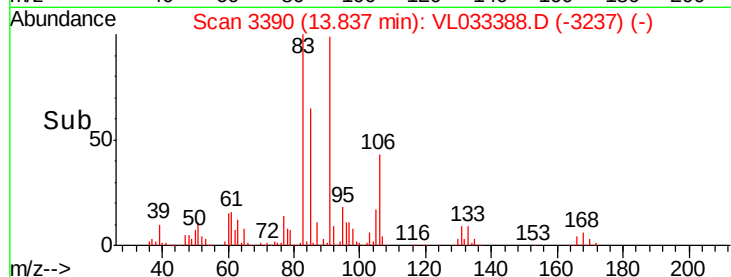
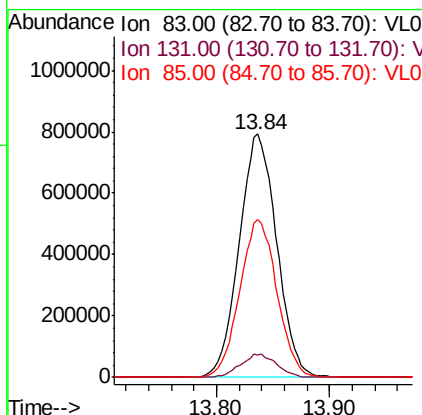
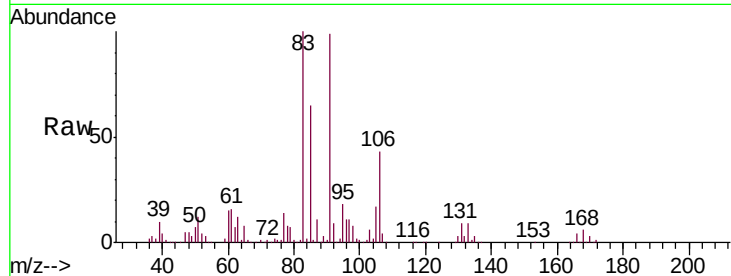




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.701 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

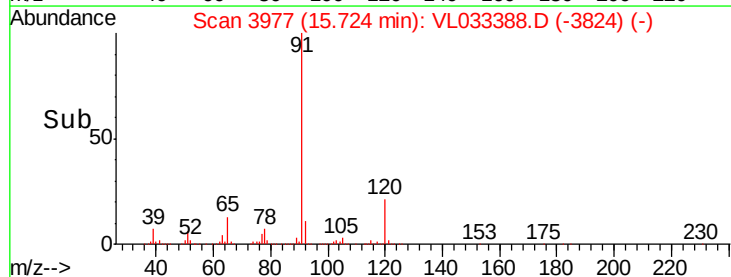
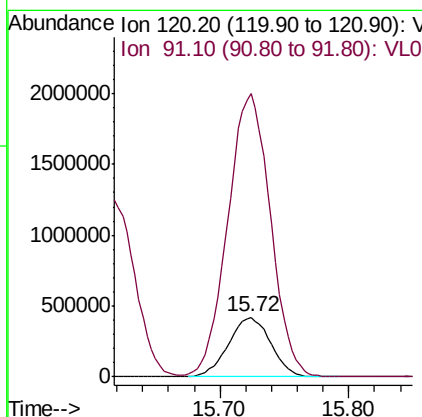
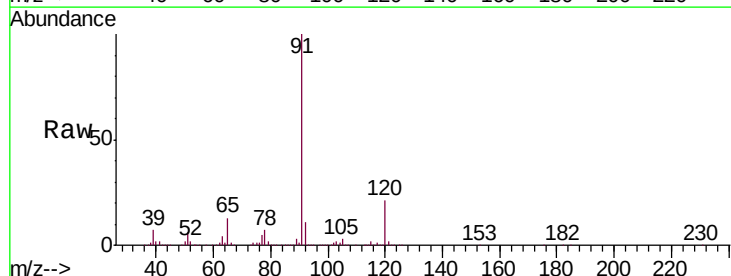
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

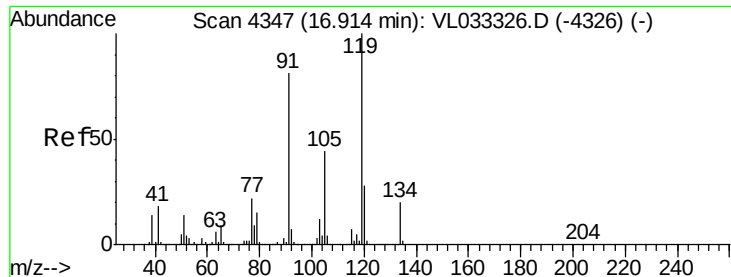
Tgt Ion: 83 Resp: 1829927
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.3 32.5 97.4



#64
 n-propylbenzene
 Concen: 10.431 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Tgt Ion: 120 Resp: 957593
 Ion Ratio Lower Upper
 120 100
 91 481.5 389.8 584.6

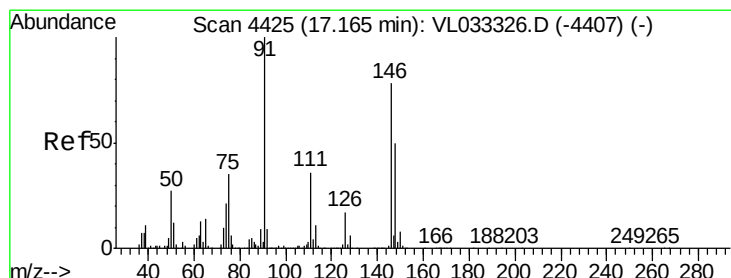
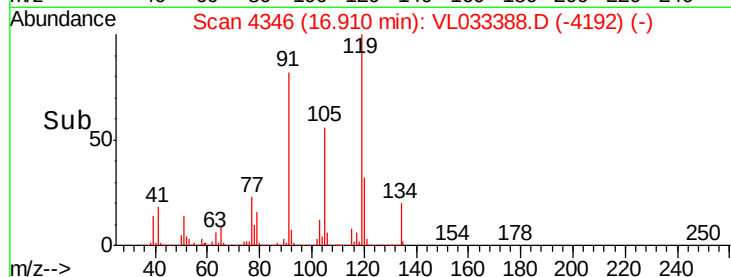
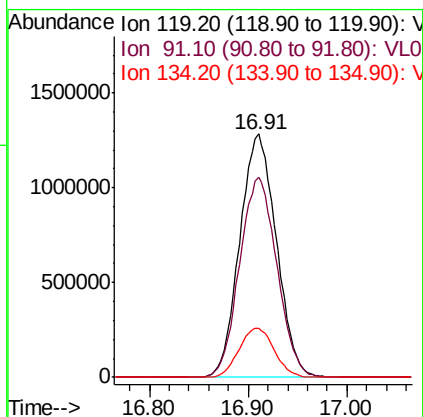
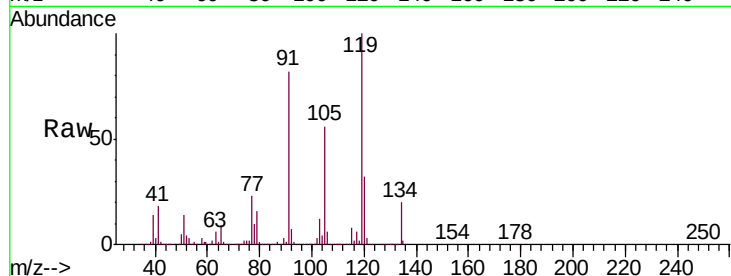




#65
 tert-Butylbenzene
 Concen: 10.096 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

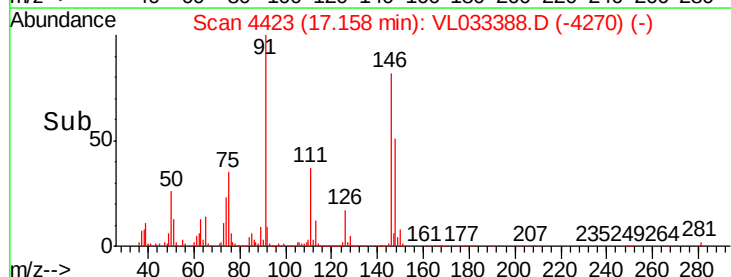
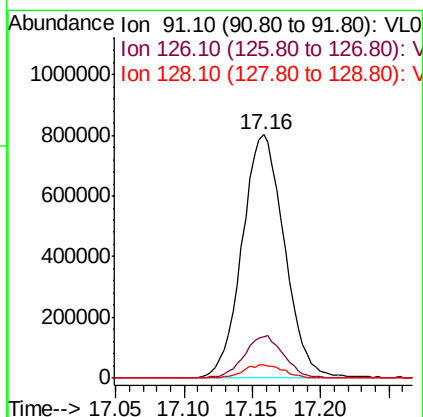
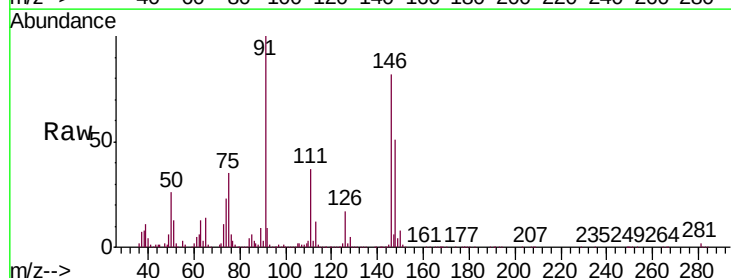
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

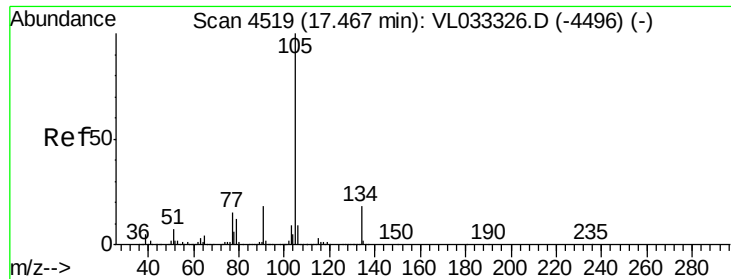
Tgt Ion: 119 Resp: 3297664
 Ion Ratio Lower Upper
 119 100
 91 83.9 67.2 100.8
 134 19.5 15.4 23.2



#66
 Benzyl Chloride
 Concen: 12.723 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Tgt Ion: 91 Resp: 1717243
 Ion Ratio Lower Upper
 91 100
 126 16.6 13.2 19.8
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 10.196 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

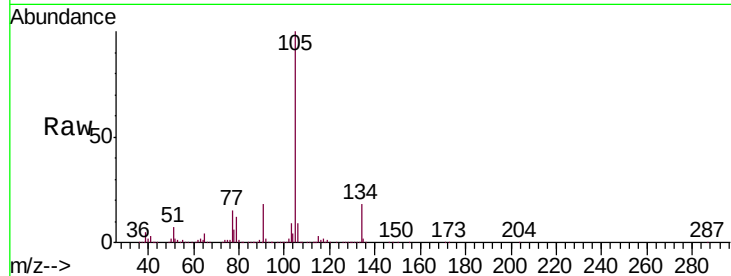
VSTDCCC010EC

Tgt Ion: 105 Resp: 4718922

Ion Ratio Lower Upper

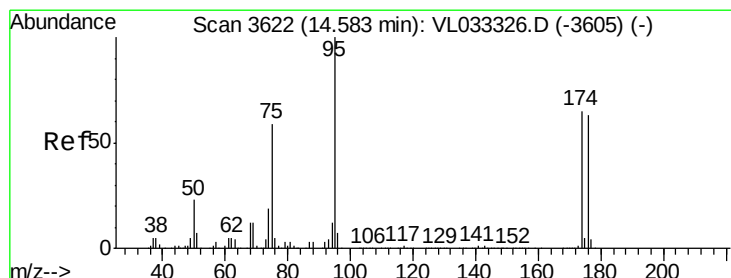
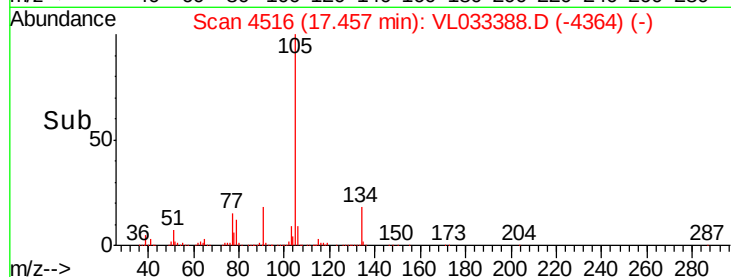
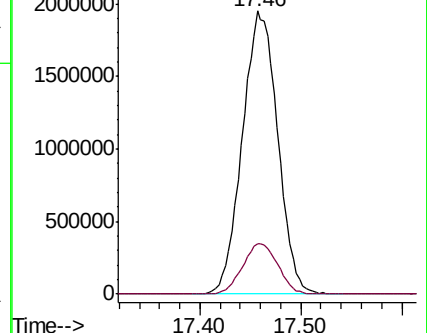
105 100

134 18.0 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.427 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

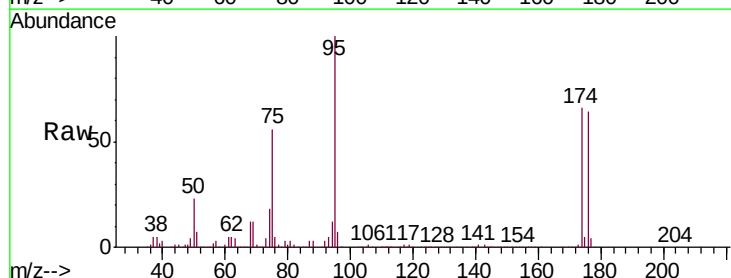
Tgt Ion: 95 Resp: 1536958

Ion Ratio Lower Upper

95 100

174 65.9 51.5 77.3

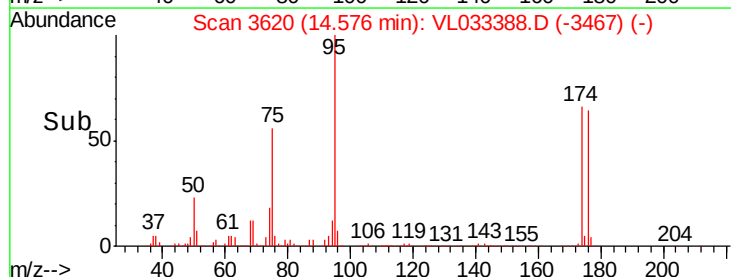
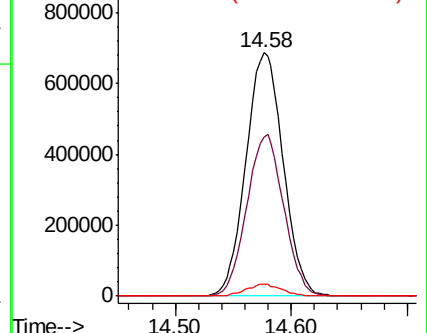
175 4.7 3.8 5.6

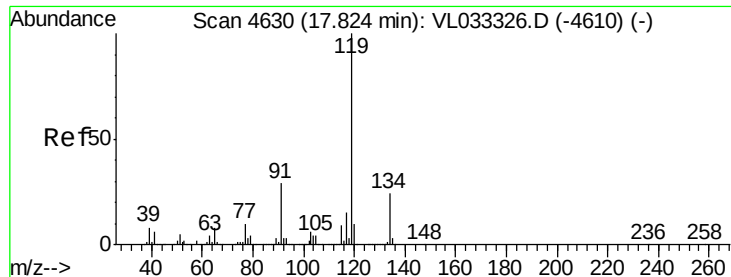


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

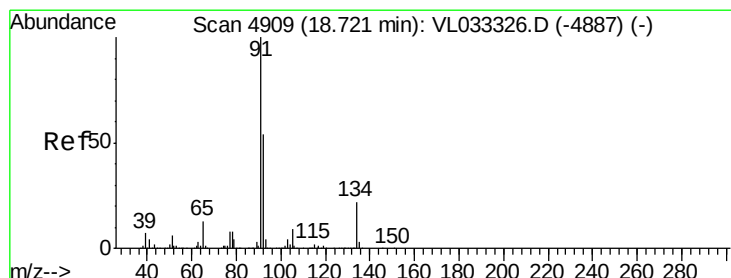
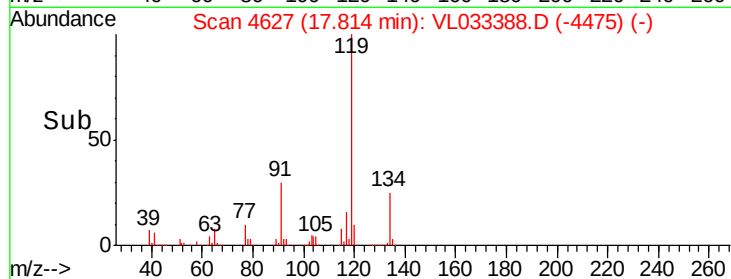
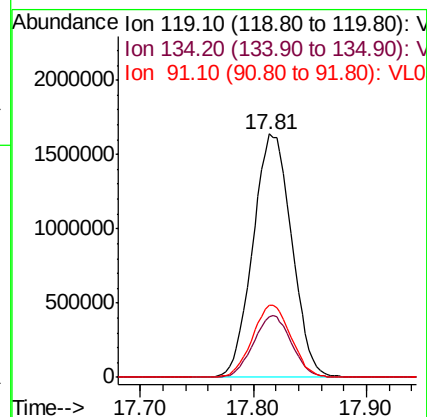
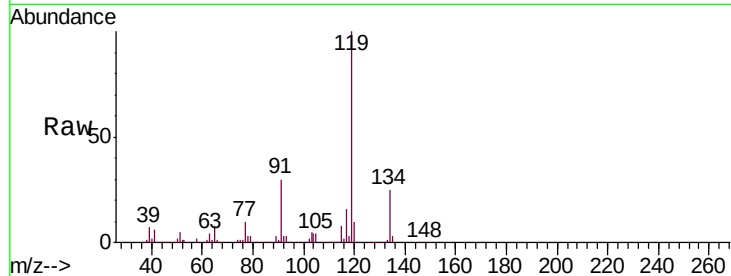




#69
 p-Isopropyltoluene
 Concen: 10.346 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

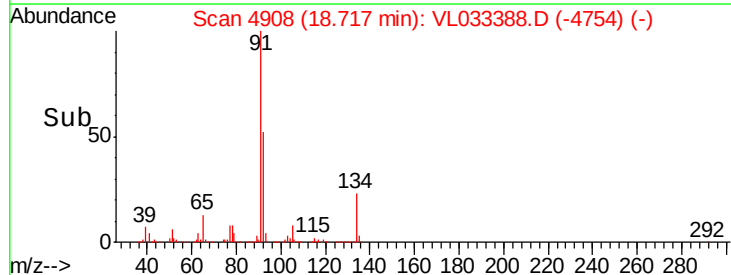
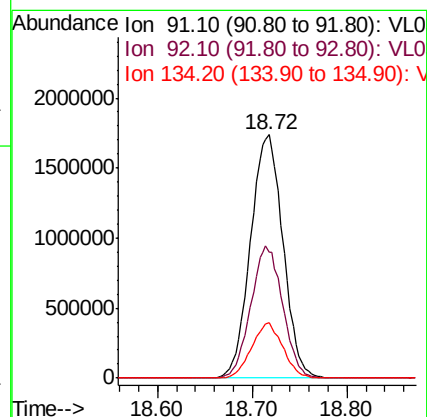
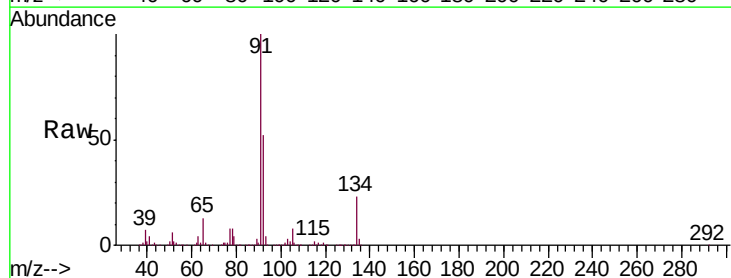
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

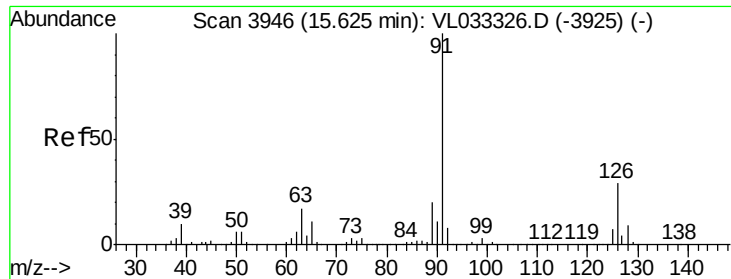
Tgt Ion: 119 Resp: 3912160
 Ion Ratio Lower Upper
 119 100
 134 24.8 19.8 29.6
 91 29.6 23.4 35.2



#70
 n-Butylbenzene
 Concen: 10.254 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Tgt Ion: 91 Resp: 4134208
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.8 64.2
 134 21.9 17.4 26.0





#71

2-Chlorotoluene

Concen: 10.212 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

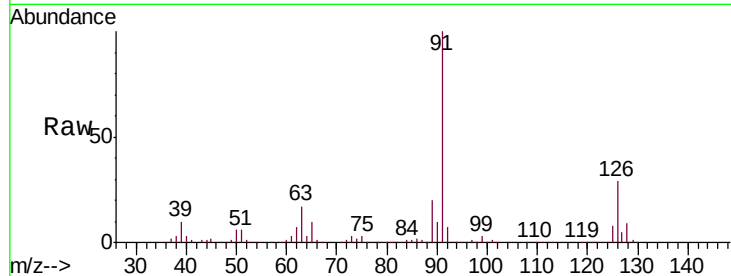
VSTDCCC010EC

Tgt Ion: 91 Resp: 2883877

Ion Ratio Lower Upper

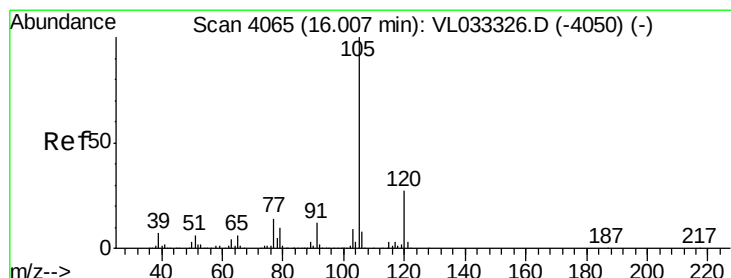
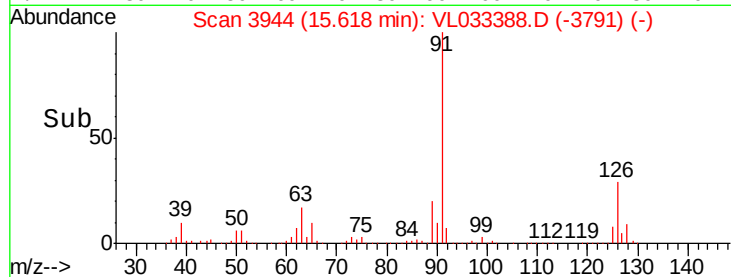
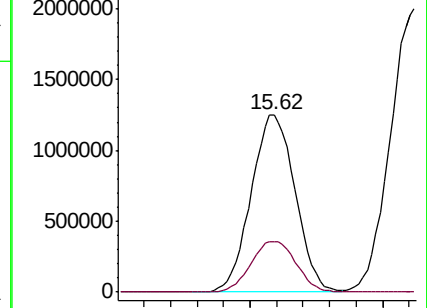
91 100

126 29.4 11.6 46.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.523 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Tgt Ion: 105 Resp: 3118362

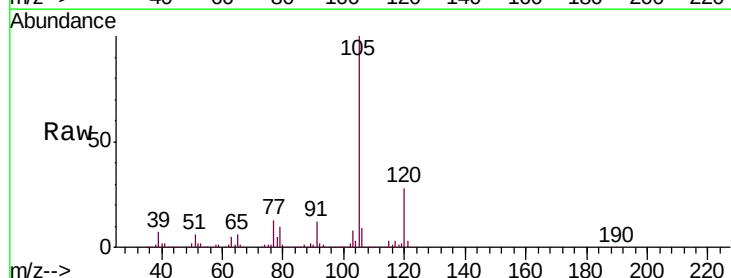
Ion Ratio Lower Upper

105 100

120 28.9 22.9 34.3

91 12.8 10.2 15.2

77 14.1 11.1 16.7

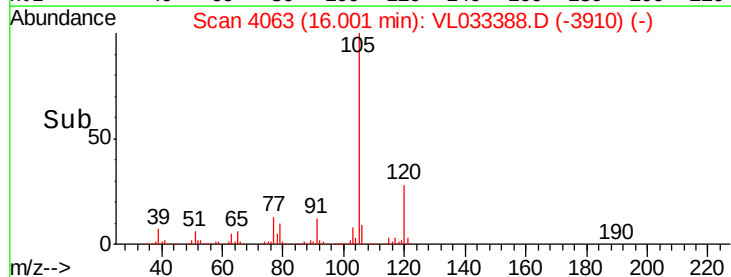
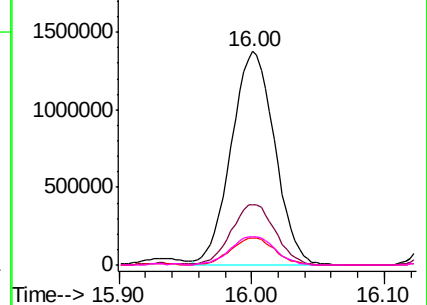


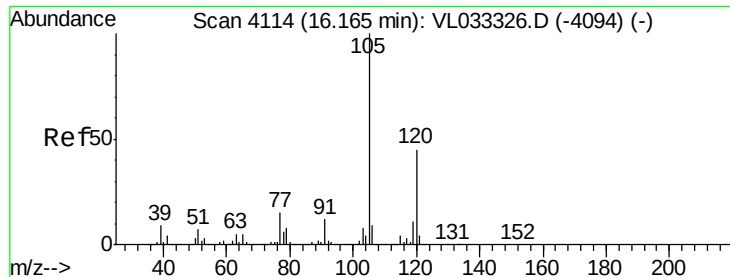
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.307 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

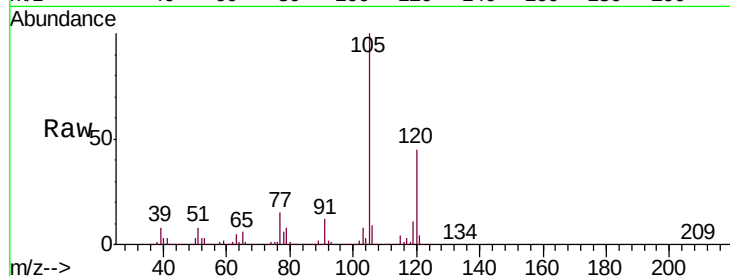
VSTDCCC010EC

Tgt Ion:105 Resp: 2975533

Ion Ratio Lower Upper

105 100

120 44.8 36.2 54.4



Abundance Ion 105.10 (104.80 to 105.80): V

1500000 Ion 120.20 (119.90 to 120.90): V

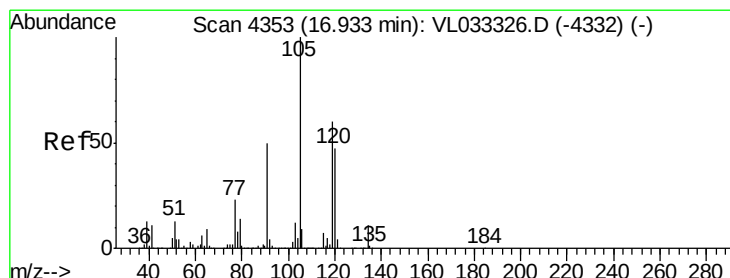
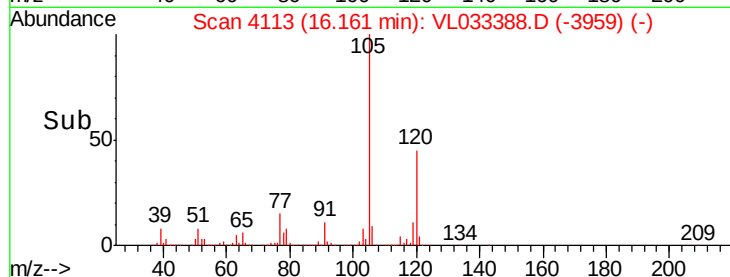
16.16

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.971 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Tgt Ion:105 Resp: 3048656

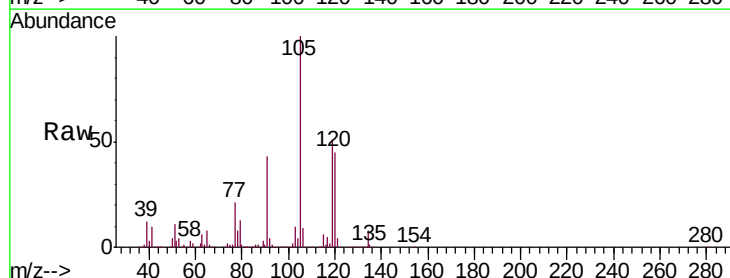
Ion Ratio Lower Upper

105 100

120 45.2 37.4 56.2

91 42.6 41.0 61.4

77 20.5 18.5 27.7



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.93

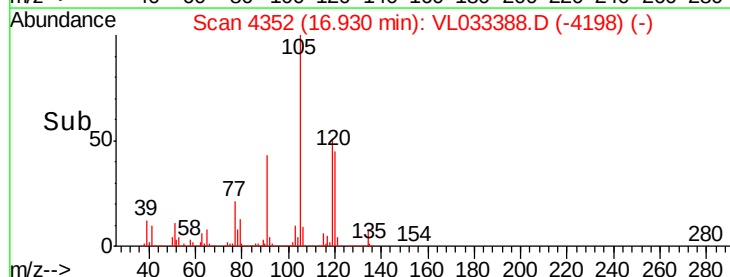
1500000

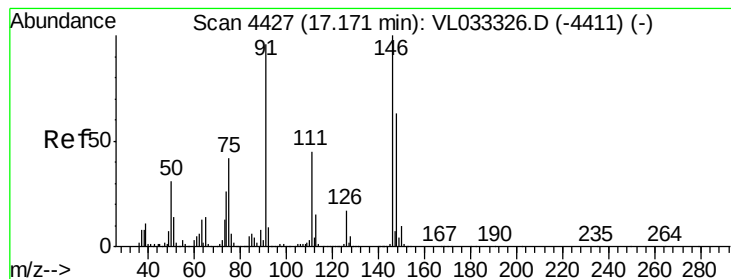
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.851 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

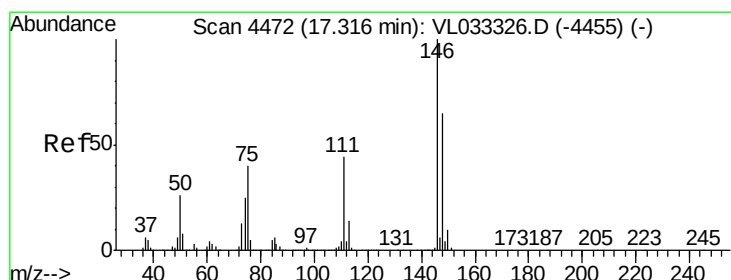
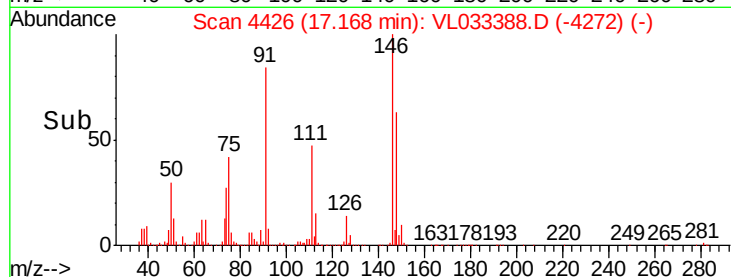
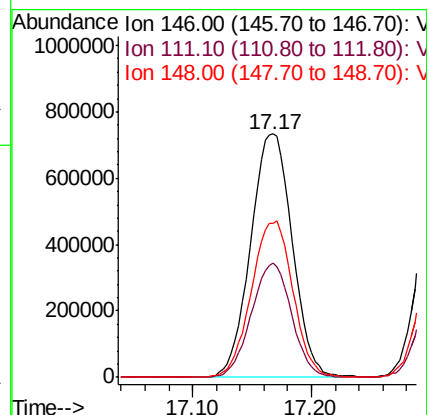
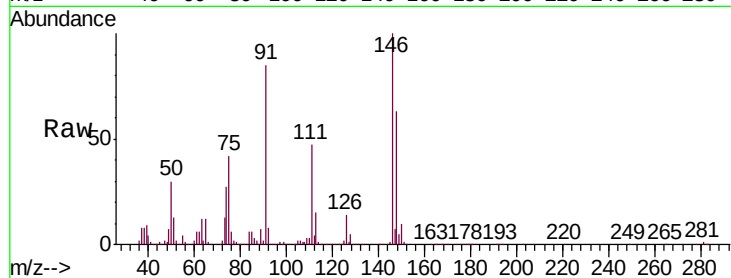
Tgt Ion:146 Resp: 1775233

Ion Ratio Lower Upper

146 100

111 45.4 22.8 68.3

148 64.3 31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 10.151 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033388.D

Acq: 19 Mar 2019 12:53

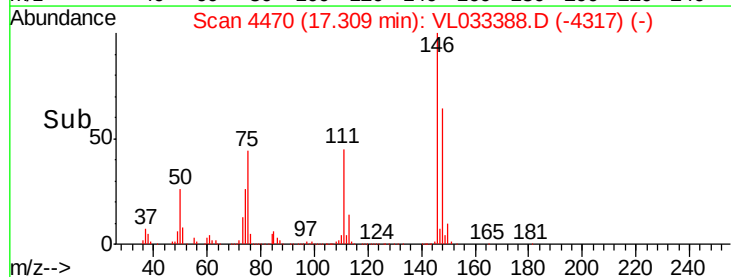
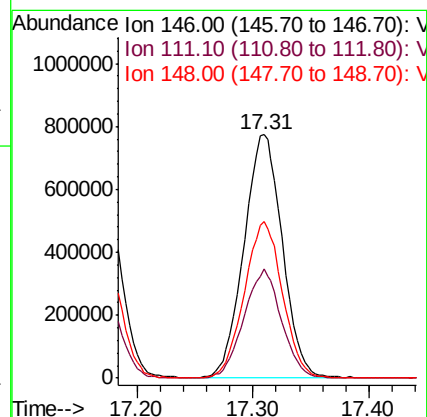
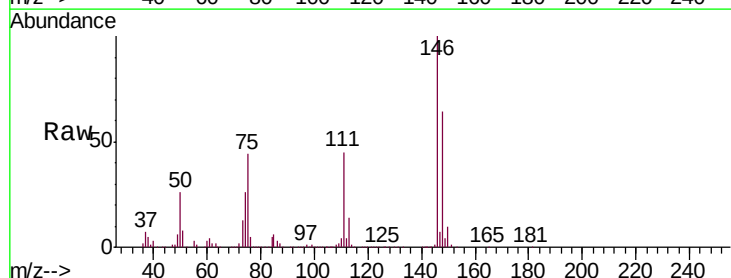
Tgt Ion:146 Resp: 1771171

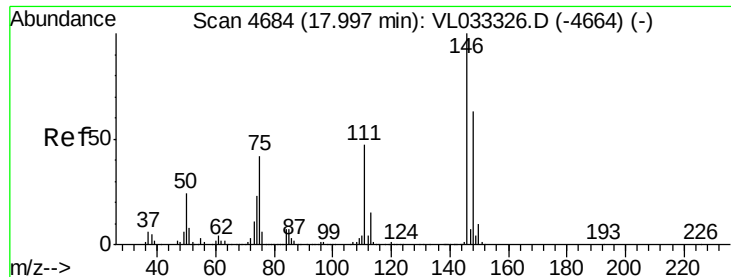
Ion Ratio Lower Upper

146 100

111 44.1 21.9 65.7

148 64.4 32.1 96.5

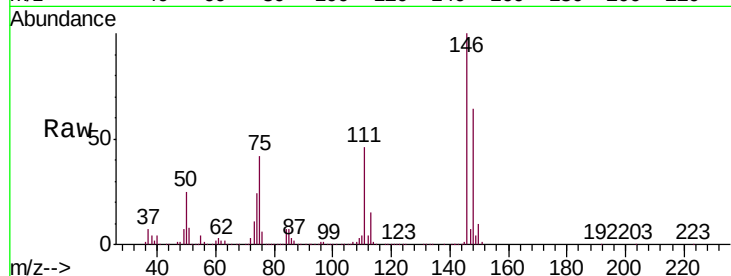




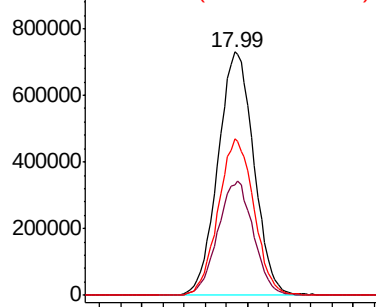
#77
 1,2-Dichlorobenzene
 Concen: 10.125 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

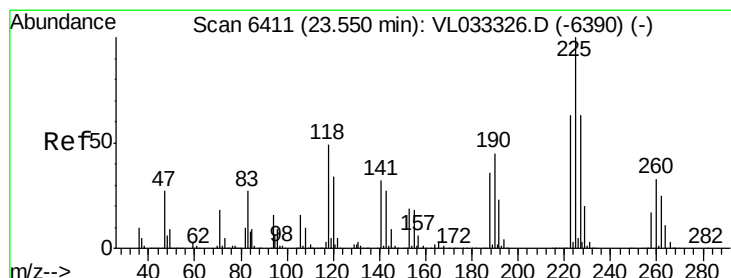
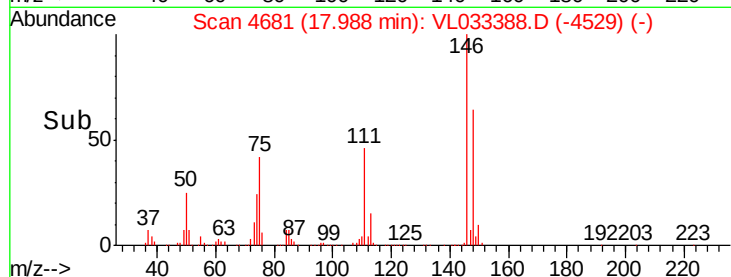
Tgt Ion:146 Resp: 1728055
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.5 70.6
 148 64.1 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V
 1000000 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

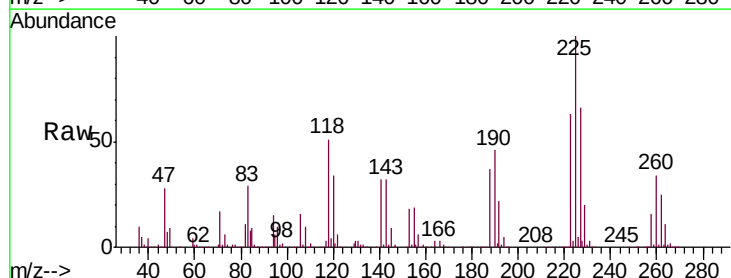


Time-->

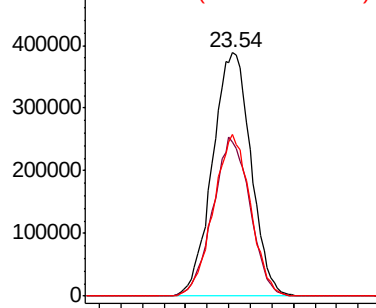


#78
 Hexachloro-1,3-Butadiene
 Concen: 9.402 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

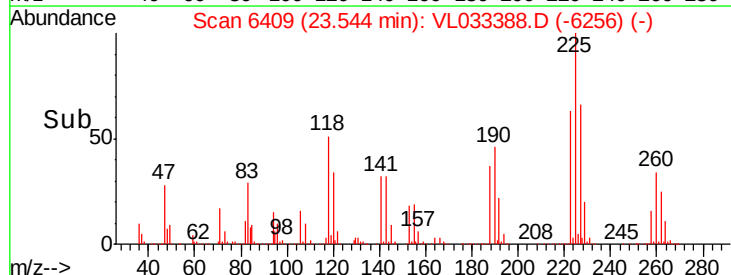
Tgt Ion:225 Resp: 962122
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.4 75.6
 227 63.9 50.5 75.7

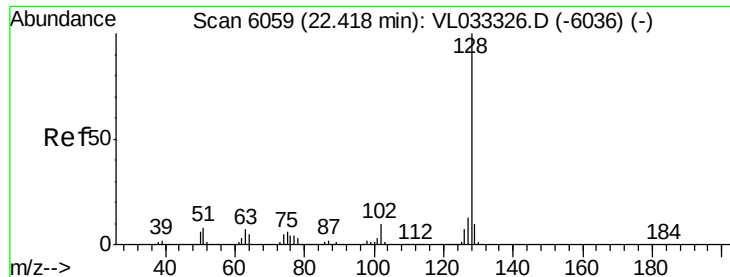


Abundance Ion 224.90 (224.60 to 225.60): V
 500000 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



Time-->

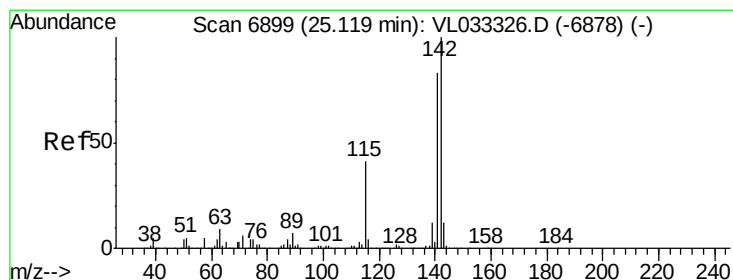
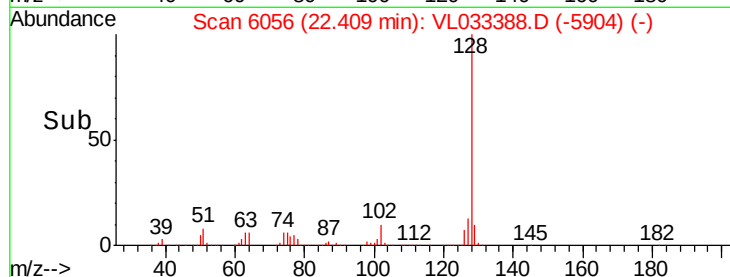
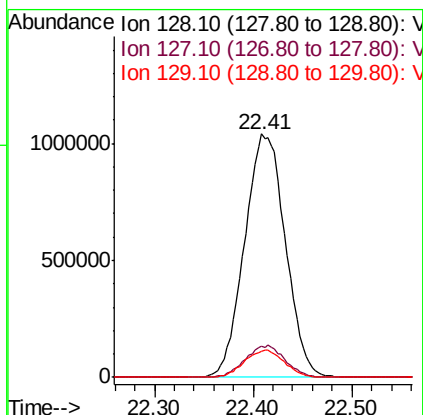
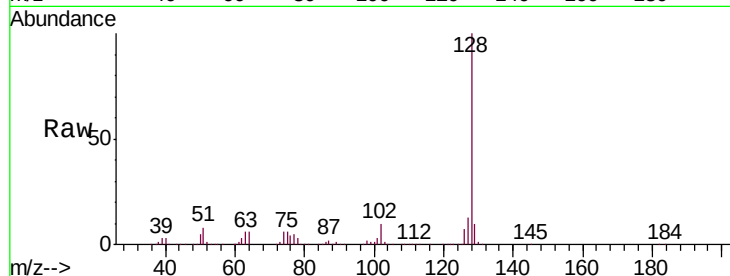




#79
Naphthalene
Concen: 10.100 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. -0.01 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

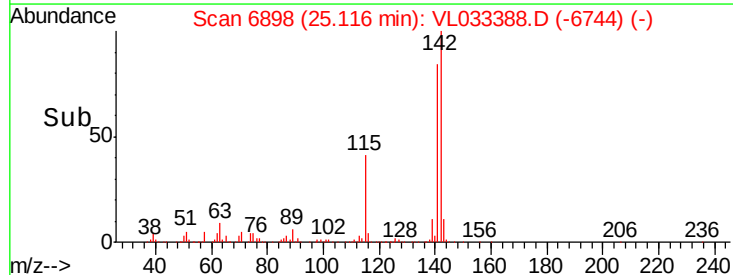
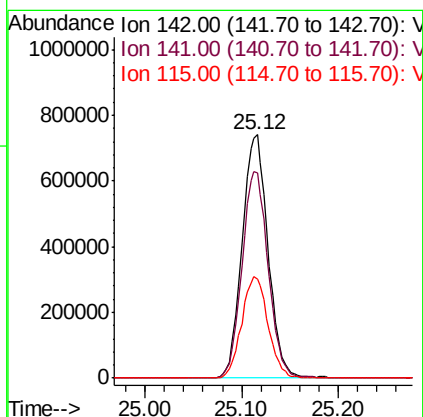
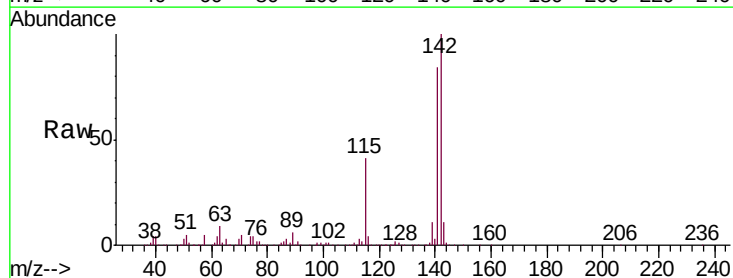
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

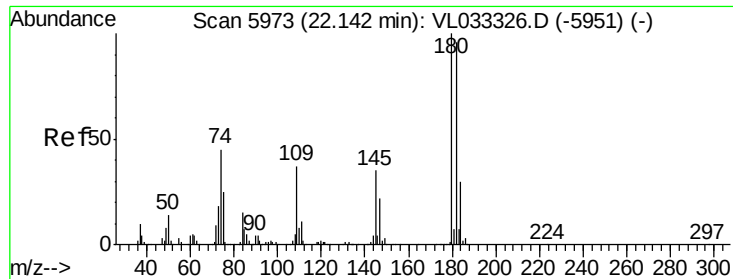
Tgt Ion:128 Resp: 2975827
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.4 8.2 12.2



#80
Naphthalene, 2-methyl-
Concen: 9.867 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033388.D
Acq: 19 Mar 2019 12:53

Tgt Ion:142 Resp: 1378483
Ion Ratio Lower Upper
142 100
141 85.8 67.1 100.7
115 42.6 33.8 50.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.008 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL033388.D
 Acq: 19 Mar 2019 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1503624
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.1 114.1
 184 30.6 24.6 37.0

